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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 3rd June 2000

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and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 490 1495
Fax No. 044 490 1492.

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"NIZAM PALACE", 2nd M.S.O.
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Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
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Fax No. 033 247 3851.

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कलकत्ता, दिनांक 3 जून 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में वर्गीकृत हैं :—

पेटेंट कार्यालय शाखा, टांडी इस्टेट,
तीसरा तल, लोकर परले (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा राजस्थान राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादरा और नगर हवेली ।

तार पता - "पेटेंटॉफिस"

फोन : 422 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
जयसमर्थिका राजार भवन,
सरस्वती मार्ग करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटॉफिस"

फोन : 578 2532 फैक्स : 011576 6204

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए),
तीसरा तल, राजाजी भवन, बसन्त नगर,
चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनीकाय
तथा एमिनीदीवि द्वीप ।

तार पता - "पेटेंटॉफिस"

फोन : 490 1495 फैक्स : 044-490 1492

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निखाम पैलेस, द्वितीय बृहत्तरीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

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तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) और
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज
फॉर पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण
किये जायेंगे ।

शब्द : शब्दों की अदायगी या तो नकद की जायगी अथवा
जहां उपयुक्त कार्यालय अब स्थित है, उस स्थान के अनुसूचित बैंक
में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की
जा सकती है ।

CORRIGENDUM

Date : 16-11-99

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Sec-2, dated 28th January, 2000 notified on 26th February, 2000 delete the Patent No. 182840 (1159/Del/94) which was inadvertently sealed.

APPLICATION FOR THE PATENT FILES AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110 005.

Date : 15-11-99

1479/Del/99. Sreekrishnan, Trichur & Ramaswamy, New Delhi, India. "An improved process for fluidised flow bio-reaction and apparatus thereof".

1480/Del/99. International Business Machine Corporation, U.S.A. "Read head with read track width defining layer that planarizes the write gap layer of a write head". (Convention date : 16-12-98). U. S. A.

1481/Del/99. Carrier Corporation, U. S. A. "Clearance distribution to reduce the leakage area" (Convention date : 10-12-98). U. S. A.

1482/Del/99. Ranbaxy Laboratories Limited, India. "Process for the preparation of a taste masked oral composition by Granulation technique".

1483/Del/99. Ranbaxy Laboratories Limited, India. "An efficient and practical synthesis of 3-ethoxy-carbonyl phenyl acetic acid, a key acid synthon of repaglinide".

1484/Del/99. Ranbaxy Laboratories Limited, India. "Derivatives of monosaccharides as cell adhesion inhibitors".

• 1485/Del/99. Ranbaxy Laboratories Limited India. "Orally administered controlled drug delivery system".

Date : 17-11-99

1486/Del/99. Daikin Industries, Ltd, Japan. "A water- and oil-repellent composition and textile for the same". (Convention date : 29-03-96), Japan.

Date : 18-11-99

1487/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of extruded fruit cereal".

1488/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the production of ceramic tiles".

1489/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the preparation of metal complex-Montmorillonite composite useful as Deodorants".

1490/Del/99. Council of Scientific and Industrial Research, India. "An improved process for decolourisation of agro-industry effluents to produce colourless effluent".

1491/Del/99. Council of Scientific and Industrial Research, India. "An improved carbon/alkali carbonate and aminoguanidine bicarbonate electrolyte/carbon electrical double layer normal cum super capacitor".

Date : 18-11-99

1492/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the preparation of carboxylic acids".

1493/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of vegetable based natural food colour from coccinea indica".

1494/Del/99. Council of Scientific and Industrial Research, India. "A process for making sintered silicon carbide-samarium oxide-aluminium oxide composites".

1495/Del/99. Council of Scientific and Industrial Research, India. "A improved process for the preparation of poly alkyl (meth) acrylates".

1496/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of aluminosilicate zeolite of type Na-P".

Date : 19-11-99

1497/Del/99. Ranbaxy Laboratories Limited, New Delhi, India. "Process for the preparation of a sustained release formulation of cefuroxime axetil".

1498/Del/99. Tambrands, Inc., U.S.A. "A Tampon Applicator".

1499/Del/99. Bayer Corporation, Germany. "Substituted pyridines and pphenyls". (Convention date : 31-07-96), U. S. A.

Date : 22-11-99

1500/Del/99. Betzdearborn, Inc. U.S.A. "Exopolysaccharide Degrading enzyme and use of the same". (Convention date : 14-9-95 & 5-6-95) U. S. A.

1501/Del/99. Kirit Mehta, India. "Chrati making machine".

1502/Del/99. Eveready Battery Company, Inc., U.S.A. "Portable lighting device".

Date : 24-11-99

1503/Del/99. Lignocell Limited, Sri Lanka. "A compressing Roller machine (Squeezing Machine) for the reduction of electrical conductivity and moisture content of coir fibre pith". (Convention date : 16-07-99) Sri Lanka.

1504/Del/99. Lignocell Limited, Sri Lanka. "Mechanical process for the reduction of electrical conductivity and moisture content of coir fibre pith" (Convention date : 11-5-99) Sri Lanka.

Date : 26-11-99

1505/Del/99. Council of Scientific and Industrial Research, India "An improved stopvalve for controlling the flow of fluids".

1506/Del/99. Council of Scientific and Industrial Research, India "An eco-friendly process for the electrolytic synthesis of methyl sulfone from methyl sulfoxide using an ion-exchange memberane cell".

1507/Del/99. Council of Scientific and Industrial Research, India "An improved process for making pulp from fibrous biomass useful for making paper and paper made therefrom".

1508/Del/99. Council of Scientific and Industrial Research, India "A composition useful for making in-situ silicon carbide in the form of particulate, whiskers and fibres in carbon matrix composite and a process for making in-situ silicon carbide in the form of particulate, whiskers and fibres in carbon matrix composite".

1509/Del/99. Council of Scientific and Industrial Research, India. "A composition useful for making in-situ silicon carbide in the form of particulate, whiskers and fibres in silicon carbide-carbon matrix composite and a process for making in-situ silicon carbide in the form of particulate, whiskers and fibres in silicon carbide-carbon matrix composite".

1510/Del/99. Otsuka Pharmaceutical Co., Ltd., Japan "Breath sampling bag and gas measuring apparatus" (Convention date : 23-01-96) Japan.

Date : 29-11-99

1511/Del/99. Satish Jain, Nareshi Jain, Anil Jain, Vipin Jain, and Jinesh Jain, India. "A Bladder shell".

1512/Del/99. Bharat Heavy Electricals Ltd., India "Novel steady for machining conical components".

30-11-99

1513/Del/99. Hindustan Gum & Chemicals Ltd., Haryana India. "Process for the preparation of carboxymethyl tamarind kernel powder from tamarind kernel powder for use as thickener for printing polyester fabrics with disperse dyes".

1514/Del/99. Panacea Biotec Limited, New Delhi, India. "Fast dissolving pharmaceutical compositions in solid form with prolonged sweet taste and a process for the manufacture thereof".

1515/Del/99. Panacea Biotec Limited, New Delhi, India. Fast dissolving pharmaceutical compositions in solid form with prolonged sweet taste and a process for the manufacture thereof".

Date : 1-12-99

1516/Del/99. Grove U. S. L. L. C., U. S. A. "Work Transfer Lock System and Method". (Convention date 16-12-98) U. S. A.

1517/Del/99. Sanofi, France "Indolin-2-one Derivatives, Process for their preparation and the Pharmaceutical Composition containing them". (Convention date 24-10-95) France

Date : 2-12-99

1518/Del/99. Nachattar Singh & Joginder Singh, Punjab, India "Modification in Tractor Gear Box & Introduction of Unique Gear Lock".

1519/Del/99. Daya Shankar Gupta, Gupta Glass Industries, UP, India "Manner of making Glass Components having Inner Surface Ornamentation particularly for use in Light Fittings".

Date : 6-12-99

1520/Del/99. Pradeep Rastogi, Chandigarh, India "Main taining Device"

- 1521/Del/99. Prof. K. A. Padmanabhan, I. I. T. Kanpur, Dr. Rajat Moona, Associate Prof. Deptt. of Computer Science & Engg. I. I. T. Kanpur, Rohit Toshniwal, Bipul Parua, India, "Portable Computer Printer".
- 1522/Del/99. International Business Machine Corporation, U. S. A. "A Method for Representing Automotive Device Functionality and Software Services to Applications using Javabeans". (Convention date 28-12-98) U. S. A.
- 1523/Del/99. International Business Machine Corporation, U. S. A. "System for Authenticating Digital Data". (Convention date 28-12-98) Japan.
- 1524/Del/99. Kaneka Corporation, Japan "Photovoltaic Module and Power Generation System". (Convention date 30-3-99) Japan.
- Date : 7-12-99
- 1525/Del/99. Samsung Electronics Co., Ltd., Korea "Recording Medium for Storing Start Position Information for Exact Zone and Method for Managing Data using the Information". (Convention date 30-12-98) Korea.
- 1526/Del/99. General Electric Company, U. S. A. "Cardiac Gated Computed Tomography System". (Convention date 22-12-98) U. S. A.
- 1527/Del/99. Johnson & Johnson Vision Products, Inc. and U. S. A. & Virginia Tech Intellectual Properties, Inc. "Melt Polymer Synthesis of Poly Ether Phosphine Oxides" (Convention date 18-2-99) U. S. A.
- Date : 8-12-99
- 1528/Del/99. Janssen Pharmaceutica N. V. Belgium "N-[4-(Heteroaryl-Methyl) Phenyl]-Heteroarylamines."
- Date : 9-12-99
- 1529/Del/99. Nachattar Singh & Joginder Singh, Punjab, India "Modified Tractor Driven Combine Technology".
- 1530/Del/99. Nachattar Singh & Joginder Singh, Punjab, India "Invention of Straw Combine".
- 10-12-99
- 1531/Del/99. Polymasec Pharmaceutical PLC., U.K. "Tissue Entrapment". (Convention date 3-5-95) U. K.
- 1532/Del/99. Bharat Heavy Electricals Ltd., India "A New Formulation for Stabilization of Gamma-Alumina and other Transition Aluminas".
- 14-12-99
- 1533/Del/99. Council of Scientific and Industrial Research, India. "An Improved One-Pot Process for the preparation of Ether Derivative of Dihydroartemisinin".
- 1534/Del/99. Council of Scientific and Industrial Research, India. "A One-Pot Process for the preparation of Artemether from Artemisinin".
- 1535/Del/99. Council of Scientific and Industrial Research, India. "An Improved Process for the preparation of Dihydroartemisinin".
- 1536/Del/99. Council of Scientific and Industrial Research, India. "An Internet-Accessible Real-Time Weather Information System".
- 1537/Del/99. Bharat Heavy Electricals Ltd., BHEL House, India. "Joint Control of Turbines in a Power Plant".
- 1538/Del/99. Exxon Chemical Patents Inc., U. S. A. "Process for the Manufacturing Improved Multifunctional Viscosity Modifier".
- 1539/Del/99. Exxon Chemical Patents Inc., U. S. A. "Process for Producing a Functionalized Thermoplastic Polymer".
- 1540/Del/99. Bohumil Stupecky, Germany. "Device for the Sticking, Stretching and Drying of Leather or Similar Flat Materials such as Hides, Skins and the Like".
- 1541/Del/99. Toyoto Jidosha Kabushiki Kaisha, Japan. "Process for Producing Composite Metallic Oxide and Process for Producing Composite Metallic Catalyst".
- 16-12-99
- 1542/Del/99. Director, Forest Research Institute, India "Process for the preparation of Cassia Tora Gum".
- 1543/Del/99. The Secretary of State for Defence in her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, U. K. "A Test Kit". (Convention date : 13-07-94), U. K.
- 17-12-99
- 1544/Del/99. Mottaiyan Kandasamy Singh, India. "Siddha Tooth Powder of Making Oral Compositions".
- 1545/Del/99. Ranbaxy Laboratories Limited, India. "An Improved Process for the preparation of Fluoxetine Hydrochloride".
- 1546/Del/99. Ranbaxy Laboratories Limited, India. "An Improved Process for the preparation of Sodium Salt of Statins".
- Date : 20-12-99
- 1547/Del/99. Zeneca Limited, England. "Lambda Cyhalothrin". (Convention date : 25-11-94 & 18-07-95), U. K.
- 1548/Del/99. Carrier Corporation, USA. "Compact Absorption Machine". (Convention date : 25-01-99), USA.
- 1549/Del/99. Carrier Corporation, USA. "Absorption Machine with Refrigerant Management System". (Convention date : 04-02-99), USA.
- 1550/Del/99. You EAL Electronics Co. Ltd., Korea. "Keypad for Portable Telephone and Manufacturing Method thereof". (Convention date : 31-12-98, 29-10-99), Korea.
- 1551/Del/99. ESM II Inc., USA. "Apparatus for Desulfurization of Iron Utilizing Two Speeded Apart Lances".
- Date : 21-12-99
- 1552/Del/99. Bharat Heavy Electricals Ltd., India. "Plate Type Force Sensor for Sensing In-Plane Forces".
- 1553/Del/99. Council of Scientific and Industrial Research, India. "A Composition useful as Adhesive for Labelling Tin Surfaces".
- 1554/Del/99. Council of Scientific and Industrial Research, India. "Novel Substituted 1, 2, 4-Trioxanes as Anti-Malarial Agents".
- 1555/Del/99. Council of Scientific and Industrial Research, India & Deptt. of Biotechnology, Govt. of India, India. "A Process for the Production of a Novel Lipase".
- 1556/Del/99. Council of Scientific and Industrial Research, India & Deptt. of Biotechnology, Govt. of India, India. "An Improved Process for the Production of Stable Lipase".
- 1557/Del/99. Council of Scientific and Industrial Research, India. "An Improved Process for the preparation of Enhanced Corrosion Resistant Iron and Steel".

1558/Del/99. Council of Scientific and Industrial Research, India. "A Process for the preparation of Novel Substituted 1, 2, 4-Trioxanes".

21-12-199

1559/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the preparation of Nitro (20S)-Camptothecin".

1560/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of Novel Bidentate ligands".

1561/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the preparation of cycloalkylphenols".

1562/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the preparation of processed nuts".

1563/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of a Bio-active composition from Nyctanthes Arbor-Tristis".

1564/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of substituted 2-Heptyne, 4-OL-1-Arylmethoxy".

1565/Del/99. UOP LLC, USA. "Controlling the particle size and Particle size distribution in a process for continuous synthesis of molecular sieves". (Convention date 29-12-98), U.S.A.).

1566/Del/99. Sanjeev Maini, India. "Shut-off valve assembly".

1567/Del/99. Sanjeev Maini, India. "Shut-off valve Assembly".

1568/Del/99. Fuji Electric Co. Ltd., Japan. "Capacitive pressure sensor". (Convention dates : 04-01-99, 04-01-99 & 27-04-99), Japan.

1569/Del/99. Hyundai Motor Company, Korea. "Dynamic instruction system for input of parts in vehicle production line". (Convention date : 26-05-99), Korea

22-12-99

1570/Del/99. Ved Prakash, Nehru Place, New Delhi, India. "Autoclaved flyash bricks manufacturing process".

24-12-99

1571/Del/99. Rajiv Batra, Delhi, India. "An improved variety of ghee having herbal properties".

1572/Del/99. Tata Energy Research Institute, Technology Information, Forecasting and Assessment Council of Technology, Bhavan, India. "A process for producing plantation white or mill white sugar".

1573/Del/99. Tata Energy Research Institute, India. Technology Information, Forecasting and Assessment Council of Technology Bhavan, India. "A process for producing plantation white or mill white sugar".

1574/Del/99. International Business Machine Corporation, USA. "User interface for transferring items between displayed windows". (Convention date : 9-2-99), USA.

28-12-99

1575/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of Protein Hydrolysate from proteinaceous chrome wastes".

1576/Del/99. Council of Scientific and Industrial Research, India & Indian Council of Medical Research, India. "A Machine for the production of coated threads".

1577/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the preparation of purified metal sulphide nano particles".

1578/Del/99. Council of Scientific and Industrial Research, India. "An improved process for the production of high grade synthetic rutile".

1579/Del/99. Council of Scientific and Industrial Research, India. "Novel substituted 1, 2, 4-tridyanes useful as antimalarial agents".

1580/Del/99. Council of Scientific and Industrial Research, India. "An improved process for treatment of agro-industry waste water to produce colourless waste water".

1581/Del/99. Council of Scientific and Industrial Research, India. "An improved process for recovery of sulphur dioxide from phospho-gypsum".

1582/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of copper bound catalyst on polymer support".

1583/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of novel substituted 1, 2, 4-trioxanes and their esters"

29-12-99

1584/Del/99. Indian Council of Agricultural Research, India. "Kalisena SD a formulation made with a particular strain of aspergillus niger for crop growth promotion and control of soil borne plant pathogens".

1585/Del/99. Halla Climate Control Corp., Korea. "Air-flow guide stator vane for axial flow fan and shrouded axial flow fan assembly having such airflow guide stator vanes". (Convention date 31-12-98), Korea.

1586/Del/99. Halla Climate Control Corp. Korea. "Axial flow fan". (Convention dates : 31-12-98 & 07-12-99), Korea.

30-12-99

1587/Del/99. Sham Lal Tickoo, India. "Self Adjusting Cargo Organizer for vehicles".

1588/Del/99. Chief Controller, Research and Development, Ministry of Defence, Govt. of India, India. "A Hardware simulation device for electronic systems".

1589/Del/99. Brilex Chemicals, India. "A process of reactivation of spent carbon in powder form".

31-12-99

1590/Del/99. Indian Council of Agricultural Research, India. "A process for the preparation of 22, 23-dihydro-azadirachtin-A rich concentrates from Azadirachtin-A rich technical concentrates".

1591/Del/99. Indian Council of Agricultural Research, India. "Rice chaff and husk stove (Domestic)".

1592/Del/99. Dabur Research Foundation, India. "Isolation of taxadiene synthase gene from taxus sp".

1593/Del/99. Dabur Research Foundation, India. "Isolation of taxadiene synthase gene from taxus sp". & Nexstar Pharmaceuticals, Inc.

1594/Del/99. Schering Aktiengesellschaft, & Nexstar Pharmaceuticals, Inc. USA. "A process for the preparation of oligonucleotide complex".

1595/Del/99. Council of Scientific and Industrial Research, India. "A novel stitching machine useful for the manufacture of mats/mattresses from nonconventional materials".

1596/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of aziridines".

1597/Del/99. Council of Scientific and Industrial Research, India. "An improved fuel efficient commercial LP-Gas burner/canteen burner".

1598/Del/99. Council of Scientific and Industrial Research, India. "A process for the preparation of ionically charged collagen sponge".

03-01-2000

01/Del/2000. Whirlpool Corporation, USA. "Lid seal for an automatic washer". (Convention date : 14-1-99), U.S.A.

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National Phase Application No. : IN/PCT/2000/00001.

Date of Receipt : 05 January 2000.

PCT Application No. : PCT/IP99/02365.

PCT Filing Date : 06 May 1999.

Applicant(s) : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.

Inventor(s) :

Title : SYSTEM AND METHOD FOR DIGITAL DATA COMMUNICATION.

Priority No : 10/123193.

Priority Date : 06 May 1998.

National Phase Application No. : IN/PCT/2000/00002.

Date of Receipt : 10 January 2000.

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PCT Filing Date : 12 May 1999.

Applicant(s) : SOCOMEC S. A.

Title : CIRCUIT BREAKER FOR LOW VOLTAGE ALTERNATING ELECTRIC INSTALLATION.

Priority No : 98/06272.

Priority Date : 14 May 1998.

National Phase Application No : IN/PCT/2000/00003.

Date of Receipt : 11 January 2000.

PCT Application No : PCT/DE99/01010.

PCT Filing Date : 01 April 1999.

Applicant(s) : PATENT-TRUEHAND-GESELLSCHAFT FURELEKTRISCHE GLUHLAMPEN MBH.

Title : CIRCUIT FOR OPERATING AT LEAST ONE DISCHARGE LAMP.

Priority No : 198 37 728.2

Priority Date : 20 August 1998.

National Phase Application No : IN/PCT/2000/00004.

Date of Receipt : 17 January 2000.

PCT Application No. : PCT.KR99/00185.

PCT Filing Date : 19 April 1999.

Applicant(s) : LEE, CHANG YEUN.

Title : SNIVEL SUCTION INSTRUMENT.

Priority No : 98-6357.

Priority Date : 18 April 1998.

National Phase Application No : IN/PCT/2000/00005.

Date of Receipt : 28 January 2000.

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Applicant(s) : DORMA GMBH+CO. KG.

Title : DOOR CLOSER.

Priority No : 19834889.4.

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PCT Application No : PCT/JP99/03118.

PCT Filing Date : 11 June 1999.

Applicant(s) : MITSUBISHI MATERIALS CORPORATION.

Title : SEAMLESS COPPER ALLOY TUBE FOR HEAT EXCHANGER BEING EXCELLENT IN 0.2% PROOF STRESS AND FATIGUE STRENGTH.

Priority No : 10/168443.

Priority Date : 16 June 1998.

National Phase Application No. : IN/PCT/2000/00007.

Date of Receipt : 25 January 2000.

PCT Application No : PCT/US99/14575.

PCT Filing Date : 28 June 1999.

Applicant(s) : GENERAL ELECTRIC COMPANY.

Title : ELECTRONIC ELECTRICITY METER.

Priority No : 60/091,039.

Priority Date : 29 June 1998.

NATIONAL PHASE APPLICATION FILED IN THE PATENT OFFICE BRANCH, DELHI FOR PATENT UNDER PCT (CHAPTER-1)

FROM 1/12/99 TO 31/12/99

National Phase Application No : IN/PCT/99/00001/DEL dated 7-12-99.

Corresponding PCT Application No : PCT/KR99/00198 dated 26-4-99.

Priority document No. : 1998/14281.

Priority document date : 1998/14281—25-4-98.

Name of Applicant : BORYUNG PHARMACEUTICALS CO. LTD.

Title of Invention : "PYRIMICLINONE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS CONTAINING THE COMPOUNDS AND THE PROCESS FOR PREPARING THE SAME".

National Phase application filed in the Patent Office Branch, Delhi for Patent under PCT (chapter-1) from 1-1-2000 to 31-1-2000.

National Phase Application No. : IN/PCT/2000/00001/DEL dated 10-1-2000.

Corresponding PCT Application No. : PCT/KR99/00211 dated 29-4-99.

Priority document No. : 09/076052, U.S.

Priority document date : 11-5-98.

Name of Applicant : SAMHAN GLASS TECHNOLOGY INC.

Title of Invention : "WAVE BEVELLING MACHINE."

NATIONAL PHASE APPLICATION FOR PATENT UNDER PCT CHAPTER-1 (FILED FROM TO)

National Phase Application No. : IN/PCT/2000/00002/DEL dated 20-1-2000.

Corresponding PCT Application No. PCT/KR99/00334 dated 24-6-99.

Priority document No. : 98-24478, K.R.

Priority document date : 26-6-98.

Name of Applicant : VIROMED LIMITED.

Title of Invention : "HIGH EFFICIENCY RETROVIRO-VECTORS THAT CONTAIN NONE OF VIRAL CODING SEQUENCES".

NATIONAL PHASE APPLICATION FOR PATENT UNDER PCT TO CHAPTER-1 (FILED FROM TO)

National Phase Application No. : IN/PCT/2000/00003/DEL dated 28-1-2000.

Corresponding PCT Application No. : PCT/CA98/00721, dated.....

Priority document No. : 08/901,089, U.S.A.

Priority document date : 28-7-97.

Name of Applicant : SAWSON HYDRAULICS INC.

Title of Invention : "TELESCOPIC HYDRAULIC HOIST APPARATUS".

NATIONAL PHASE APPLICATION FILED IN THE PATENT OFFICE BRANCH, CHENNAI FOR PATENT UNDER PCT (CHAPTER-1) FROM 1-1-2000 TO 31-1-2000.

National Phase Application No. : IN/PCT/2000/00001/CHE dated 3-1-2000.

Corresponding PCT Application No. : PCT/IB99/00725 dated 22-4-99.

Priority Document No. : Europe No. 98201437.5.

Priority Document Date : 4-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : PHASE FREQUENCY DETECTOR HAVING INSTANTANEOUS PHASE DIFFERENCE OUTPUT.

National Phase Application No. : IN/PCT/2000/00002/
CHE Dated 12-1-2000.

Corresponding PCT Application No. : PCT/IB99/00815.

Dated : 6-5-99.

Priority Document No. : Europe No. 98201590.1.

Priority Document Date : 14-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : TRANSMISSION SYSTEM USING AN IMPROVED SIGNAL ENCODER AND DECODER.

National Phase Application No. : IN/PCT/2000/00003/
CHE Dated 13-1-2000.

Corresponding PCT Application No. PCT/US99/13148.

Dated : 10-6-99.

Priority Document No. : US Nos. 09/095, 737 ; 09/149, 426 and 09/313, 914.

Priority Document Date : 11-6-98, 8-9-98 and 18-5-99.

Name of Applicant : AEROGEN INC.

Title of Invention : IMPROVED METHODS AND APPARATUS FOR STORING CHEMICAL COMPOUNDS IN A PORTABLE INHALER.

National Phase Application No. : IN/PCT/2000/00004/
CHE Dated 18-1-2000.

Corresponding PCT Application No. : PCT/IB99/00877
Dated 14-5-99.

Priority Document No. German No. 19822807.4.

Priority Document Date : 20-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : HOUSING HAVING A HOLDING DEVICE ARRANGED ON A BASE PLATE.

National Phase Application No. : IN/PCT/2000/00005/
CHE.

Dated : 20-1-2000.

Corresponding PCT Application No. : PCT/JP99/03113.

Dated : 10-6-99.

Priority Document No. : Japan No. 10-243989

Priority Document Date : 28-8-98.

Name of Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA.

Title of Invention : DUAL-FREQUENCY MATCHING CIRCUIT.

National Phase Application No. : IN/PCT/2000/00006/
CHE.

Dated : 24-1-2000.

Corresponding PCT Application No. : PCT/IB99/00921.

Dated : 20-5-99.

Priority Document No. : Europe No. 98201735.2.

Priority Document Date : 26-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : TRANSMISSION SYSTEM WITH ADAPTIVE CHANNEL ENCODER AND DECODER.

National Phase Application No. : IN/PCT/2000/00007/
CHE.

Dated : 24-1-2000.

Corresponding PCT Application No. : PCT/IB99/00919.

Dated : 20-5-99.

Priority Document No. : Europe No. 98201733.7.

Priority Document Date : 26-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : TRANSMISSION SYSTEM FOR TRANSMITTING A MAIN SIGNAL AND AN AUXILIARY SIGNAL.

National Phase Application No. : IN/PCT/2000/00008/
CHE.

Dated : 24-1-2000.

Corresponding PCT Application No. : PCT/IB99/00942

Dated : 25-5-99.

Priority Document No. : Europe No. 98201736.0.

Priority Document Date : 26-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : TRANSMISSION SYSTEM FOR ADAPTIVE CHANNEL ENCODER AND DECODER.

National Phase Application No. : IN/PCT/2000/00009/
CHE.

Dated : 24-1-2000.

Corresponding PCT Application No. : PCT/IB99/00926.

Dated : 20-5-99.

Priority Document No. : Europe No. 98201744.5

Priority Document Date : 26-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : TRANSMISSION SYSTEM WITH IMPROVED SPEECH ENCODER.

National Phase Application No. : IN/PCT/2000/00010/
CHE.

Dated : 24-1-2000.

Corresponding PCT Application No. : PCT/IB99/00925

Dated : 20-5-99.

Priority Document No. : Europe No. 98201738.6.

Priority Document Date : 26-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title of Invention : TRANSMISSION SYSTEM HAVING A SIMPLIFIED CHANNEL DECODER.

National Phase Application No. : IN/PCT/2000/00011/
CHE.

Dated : 25-1-2000.

Corresponding PCT Application No. : PCT/IB99/00948

Dated : 25-5-99.

Priority Document No. : Japan No. 10/105289.

Priority Document Date : 29-5-98.

Name of Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V. AND SONY CORPORATION.

Title of Invention : APPARATUS AND METHOD FOR MODULATION/DEMODULATION WITH CONSECUTIVE MINIMUM RUNLENGTH LIMITATION.

National Phase Application No. : IN/PCT/2000/00012/
CHE Dated 27-1-2000.

Corresponding PCT Application No. PCT/US99/11946.
Dated 28-5-99.

Priority Document No. US No. 60/087,893.

Priority Document Date 3-6-98.

Name of Applicant, KIMBERLY-CLARK WORLDWIDE,
INC.

Title of Invention: NEONANOPLASTS PRODUCED BY
EMULSION TECHNOLOGY AND INKS FOR INK JET
PRINTING.

National Phase Application No. : IN/PCT/2000/00013/
CHE.

Dated 27-1-2000.

Corresponding PCT Application No. : PCT/US99/12104.

Dated : 28-5-99.

Priority Document No. : US No. 60/087, 866.

Priority Document Date : 3-6-98.

Name of Applicant : KIMBERLY-CLARK WORLDWIDE,
INC.

Title of Invention : NOVEL PHOTOINITIATORS AND
APPLICATIONS THEREFOR.

National Phase Application No. : IN/PCT/2000/00014/
CHE.

Dated : 28-1-2000.

Corresponding PCT Application No. : PCT/EP99/03132.
Dated : 6-5-99.

Priority Document No. : Italy No. 10 98 A 000491.

Priority Document Date : 5-6-98.

Name of Applicant : MOTTURA SERRATURE DI SICU-
REZZA SPA.

Title of Invention : CYLINDER LOCK.

ALTERATION OF DATE UNDER SECTION-16

184030 (78/Cal/98) Antedated to 22nd February, 1996.

184030 (329/Bom/97) Antedated to 02nd December 1993.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with

said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संवद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर तैयार आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियत-वक एकत्र की उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य की प्रतियों में साक्ष्य की साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाईल कर दिए जाने चाहिए।

पटेंट विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विविक्त तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों को आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित प्ररूप 4 पर प्रतियों की अदायगी पर की जा सकती है।

ऐसी दौरस्थिति में जब विनिर्देश की अंकित प्रतियाँ प्राप्त होती हैं, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फाईल प्रतियों को आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित प्ररूप 7 पर शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ या 20 रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 178

183981

13 Claims

Int. Cl.⁴ : E 21 C 25/16.**A LATERITE STONE CUTTING MACHINE.**

Applicant : NETTNANICKAL JOHN JOSEPH, MUTHARIKULAM, KUNEATHOOR, PAISAKARY P. O. 670633, KANNUR DISTRICT, KERALA, INDIA. AN INDIAN CITIZEN.

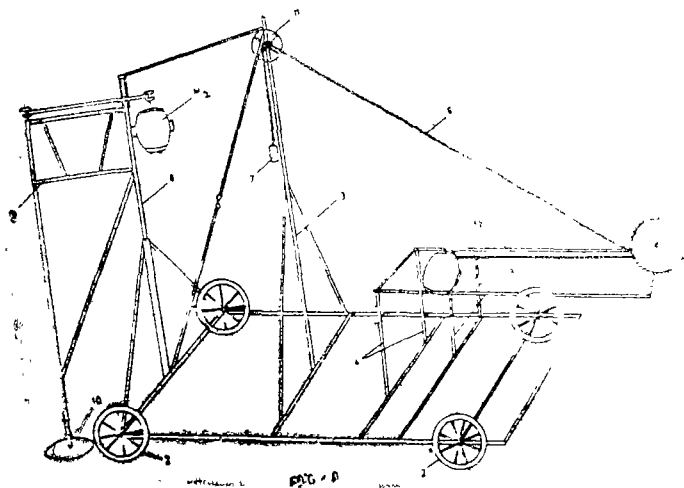
Inventor : NETTNANICKAL JOHN JOSEPH.

Application No. 885/Mas/93 filed on 10th Dec, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A laterite stone cutting machine comprising a platform (1) on wheels (2), a vertical cutting means consisting of at least one cutting blade (5) mounted on a freely rotating horizontal shaft driven by a motor (M₁), the said freely rotating horizontal shaft being mounted at the end of two arms (12), pivoted on a vertical frame (4) fixed to the platform (1), the said two arms (12) being supported by at least two supporting members (13) providing support at various desired levels for the arms (12), the said vertical cutting means being attached to a chain (6) with a counter weight (7) through a shaft with a steering wheel (11) fixed on a support (3) from the platform for raising and lowering the vertical cutting blade (5) by turning the steering wheel (11), and a horizontal cutting means consisting of at least one cutting blade (10) mounted on a freely rotating vertical shaft and driven by another motor (M₂), the said freely rotating vertical shaft being held by a support (9) fixed on a vertical frame (8) allowing horizontal lateral movement for the freely rotating shaft with the cutting blade (10).



Comp. Specn. 7 pages;

Drg. 1 Sheet.

Ind. Cl. : 50 D

183982

Int. Cl.⁴ : F 28 C 3/10, F 88 F 7/00.**COOLER FOR COOLING PARTICULATE MATERIAL.**

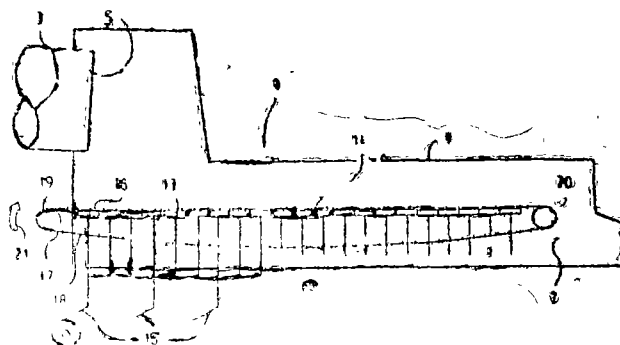
Applicant : FL SMIDTH & CO. A/S., VIGERSLEV ALLE 77, DK-2500 VALBY, COPENHAGEN, DENMARK, A DANISH COMPANY.

Inventor : 1. TORBEN ENKEGAARD.

Application No. 891/Mas/93 filed on 14th December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

A cooler (1) for cooling particulate material which has been heat-treated in an industrial kiln, such as a rotary kiln (3) for manufacturing cement clinker; the cooler (1) comprising an inlet (5), an outlet (7), end walls, side walls, a bottom and a ceiling; at least one stationary supporting surface (11, 81) for receiving and supporting the material which is to be cooled; means (95) for injecting cooling gas into the material at a plurality of positions along the supporting surface; and at least one separate mechanical conveying device (17, 41, 51) for conveying the material along the supporting surface (11, 81), characterized in that the or at least one of the stationary supporting surface(s) (11, 81) consist of a tray (91) having the form of a rectangular box with bottom, sides walls and end walls, the tray contain, during operation, a quantity of the particulate material (93) which is to be cooled; and in that the gas injection means are fitted within the tray.



Comp. Specn. 16 pages;

Drgs. 9 sheets.

Ind. Cl. : 97 A

183983

Int. Cl.⁴ : B 65 G 65/23, C 21 C 5/52, H 05 B 6/00.**A TILTING DEVICE FOR A DC ARC FURNACE.**

Applicant : MAN GUTEHOFFNUNGSHUTTE AG, A GERMAN CORPORATION, BAHNHOFSTRASSE 66, 46145 OBERHAUSEN, GERMANY.

Inventor : HEINZ GUIDO.

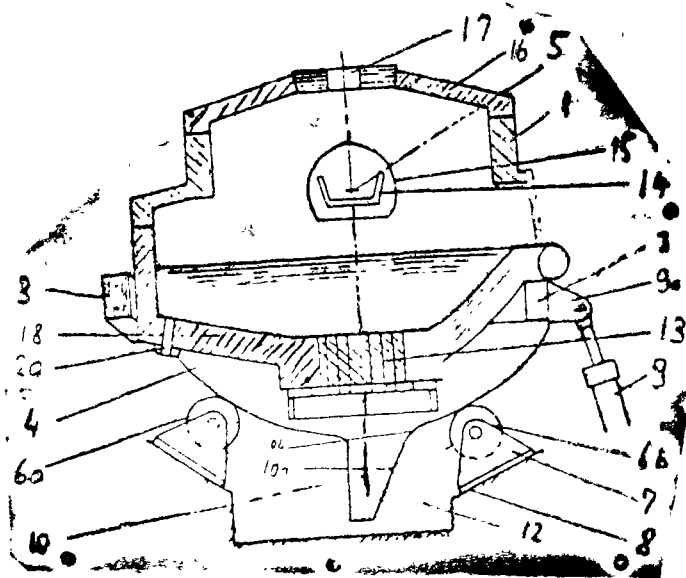
Application No. 931/Mas/93 filed on 23rd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

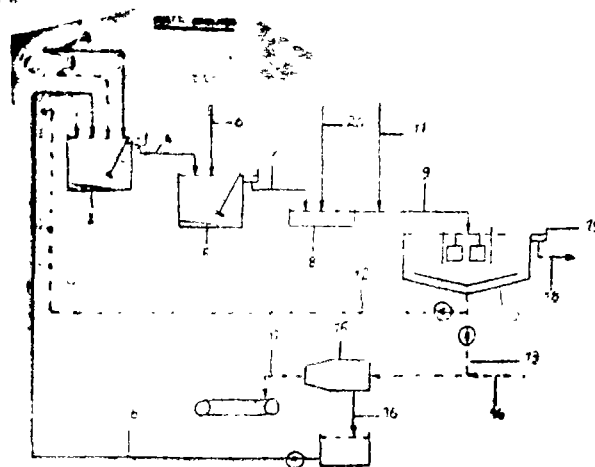
A tilting device for a DC arc furnace having an off-centre bottom mounted taphole (2) and the electrodes, which also tilt with the furnace, and a furnace vessel (1) provided with a lateral opening (15) and with a device for continuously charging scrape (14), wherein the tilting device consists of rolling cradles (4) arranged beneath a frame (3) of the furnace vessel (1) and said cradles rest on rollers (6a, 6b) which are firmly attached to a base frame (7) of the furnace foundation (8) and are displaced by means of hydraulic drives (9), wherein the undersides of the rolling cradles (4) are fitted with a cam (10); the rolling cradles (4) have the form of a circular arc at the points where they are in contact with the rollers (6a, 6b), in a defined tilting range between $\pm 5^\circ$ and $\pm 15^\circ$, the circular arc radius starts at the roll centre point (5) of the furnace vessel (1); the circular arc form of the rolling cradles (4) merges into an inclined straight line (10a) in the area of said cam (10) outside the defined tilting range and the inclination of the said straight line to the tangent of the circular arc of the rolling cradle (4) is selected in such a way that as the rolling cradle is caused to ride on the cam

by the action of a tilting cylinder (9), the position of said bottom-mounted taphole (2) of the furnace vessel (1) changes only slightly or not at all.



Comp. Specn. 13 pages;

Drgs. 6 sheets.



(Com. Specn. : 11 Pages;

Drwgs : 01 Sheet)

Ind. Cl. : 198 A

183985

Int. Cl.⁴ : B 03 B 5/24.

PNEUMATIC JIGGING SCREEN DEVICE.

Applicant : RUHRKOHLE AKTIENGESELLSCHAFT, RELLINGHAUSER STRASSE 1, 45128 ESSEN, GERMANY, A GERMAN COMPANY.

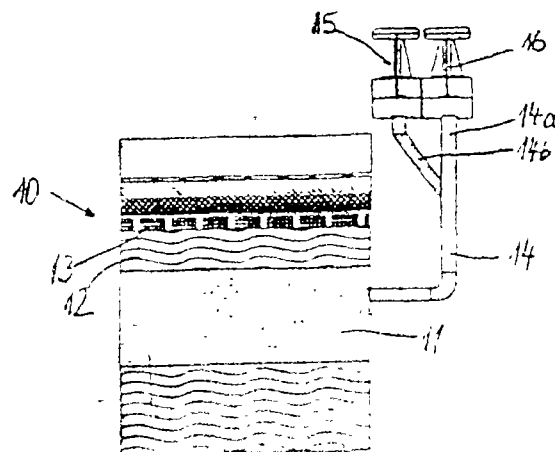
Inventor : HELMUT TIMMERMANN.

Application No. 30/Mas/94 filed on 19th January, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

Pneumatic jigging screen device with an air chamber (11) for generating the pulsation, which is connected via an inlet valve (16) to a compressed air source (22) and via an outlet valve (15) with an outlet (23), whereby inlet valve and outlet valve (15, respectively, 16) are embodied as disk valves coupled via a valve rod (21) to a pneumatically actuable valve drive (25), and wherein the pneumatically actuable valve drive (25), and wherein the pneumatically actuated valve drives (25) of the inlet valve (16) and the outlet valve (15) are each connected with interposition of an electromagnetic control valve (30, 32) to the compressed air source, characterized in that the pneumatically actuated valve drives (25) are connected via a corresponding line (29) to a compressed air source (22) for the air chamber (11) of the jigging screen device.



Comp. Specn. 14 pages;

Drgs. 3 sheets.

Ind. Cl. : 145 F

183984

Int. Cl.⁴ : D 21 F 1/00

C 08 J 11/00

METHOD OR RECOVERING ORGANIC SUBSTANCES FROM EFFLUENTS FROM PULP AND PAPER MANUFACTURING PROCESS.

Applicant : DR. PERTTI, HYNINEN, ENVIRO DATA OY, OTANIENNI-SCIENCE PARK, TEKNIKANTIE 12, BOX 380 F-02150 ESPOO FINLAND, FINISH NATIONALITY.

Inventors : (1) DR. PERTTI HYNINEN.

Application No. 932, Mas/93 filed on 24th December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

02 Claims

A method of recovering dissolved and colloidal macro-molecular organic substances from effluents from processes used in the manufacture of pulp and paper, comprising the steps of :

(a) mixing an mechanical treated cellulose fibre with an acidic effluent or a strong acid and a portion of being treated effluent so that a first mixture having a pH value of about 1.3-2.5 is formed;

(b) mixing the fibres from step (a) with said effluent containing dissolved and colloidal macro-molecular organic substances to produce a second mixture;

(c) adjusting the pH of the second mixture to about 4.5-6.0; and

(d) subjecting the second mixture of fibre and effluent from steps (b) and (c) to sedimentation so that the fibres precipitate out of the mixture with macro-molecular organic substances adhered thereto.

Ind. Cl. : 86 B, C

183986

10 Claims

Int. Cl.⁴ : A 47 C 17/60**COMBINATION BED AND TABLE.**

Applicant : COLIN DANIN (A SOUTH AFRICAN CITIZEN) 14 HOMESTEAD ROAD, BEDFORDVIEW, JOHANNESBURG, TRANSVAAL, SOUTH AFRICA.

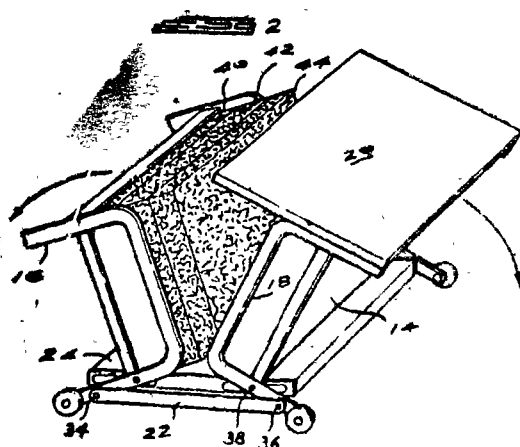
Inventor : COLIN DANIN.

Application No. 38/Mas/94 filed on 21st January, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A combination bed and table which has first and second frame means, said first and second frame means comprising first and second support members respectively, at least one link which is pivotally connected to the frame means, a bridging member between the frame means, connection means which connects the bridging member to the frame means, the connection means providing a connection between each frame means and the bridging member which permits pivotal and sliding movements of the bridging member relatively to the respective frame means and a planar member attached to one of the frame means, the frame means and the support members being movable between a table mode at which the support members are substantially vertical, the planar member is substantially horizontal thereby forming a working top, and the bridging member is at a first position, and a bed mode at which the planar member is substantially vertical, the support members are substantially horizontal and co-planar, and the bridging member is elevated from the first position by the connection means, to be co-planar with the support members.



Comp. Specn. 11 pages;

Drgs. 2 sheets.

Ind. Cl. : 32-F1

183987

Int. Cl.⁴ : C 07 C 19/08.**A CONTINUOUS PROCESS FOR THE SYNTHESIS OF FLUORINATED COMPOUNDS.**

Applicant : ELF ATOCHEM S A, A FRENCH BODY CORPORATE, OF 4 & 8, COURS MICHELET LA DEFENSE 10, 92800 PUTEAUX, FRANCE.

Inventors : (1) BERNARD CHEMINAL, (FRANCE), (2) ERIC LACROIX, (FRANCE), (3) ANDRE LANTZ, (FRANCE).

Application No. 42/Mas/94 dated January 24, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

A continuous process for the synthesis of fluorinated compounds of the formula (I) $C_2HCl_mF_{5-m}$ (wherein m is ϕ or an integer from 1 to 4) by catalytic fluorination of a compound of the formula (II) $C_2H_nCl_{5-n}$ (wherein n is ϕ , p is 1 and when n is 1, p is ϕ) in the gas phase, by means of hydrofluoric acid, in the presence of mixed catalyst comprising nickel and chromium oxides, halides and/or oxyhalides deposited on a support consisting of aluminium fluoride or of a mixture of aluminium fluoride and alumina, the weight content of nickel in the catalyst being 0.5 to 20%, the weight content of chromium being 0.5 to 20%, and the nickel/chromium atomic ratio being between 0.5 and 5, and wherein the reaction temperature is between 200 and 450°C, operating pressure is between 0 and 25 bars gauge, the HF/compound of formula (II) molar ratio is from 1/1 to 20/1, and the contact time, calculated under the reaction conditions, is between 3 and 100 seconds and recovering said fluorinated compounds of formula (I) from the reaction stream in a known manner.

(Com. - 27 pages)

Ind. Cl. : 32-F1

183988

Int. Cl.⁴ : C 07 C 19/08.**A PROCESS FOR THE PREPARATION OF AT LEAST ONE PENTAHALOETHANE.**

Applicant : ELF ATOCHEM S A, OF 4 & 8 COURS MICHELET, LA DEFENSE 10, 92800 PUTEAUX, FRANCE (A FRENCH BODY CORPORATE).

Inventors : (1) BERNARD CHEMINAL, (FRANCE), (2) ERIC LACROIX, (FRANCE), (3) ANDRE LANTZ, (FRANCE).

Application No. 43/Mas/94 dated January 24, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Chennai Branch.

10 Claims

A process for the preparation of one or more pentahaloethanes of the formula (I) $C_2HCl_mF_{5-m}$ (in which m is 0 or 1) by gas phase catalytic fluorination of at least one pentahaloethanes of formula (II) $C_2HX_{2-n}F_{3+n}$ (in which X represents a chlorine or bromine atom and n is the number 0 or 1) by means of hydrofluoric acid, wherein the hydrofluoric acid and the pentahaloethane(s) of formula (II) for brought into contact in a HF/pentahaloethane(s) of formula (II) molar ratio from 1/1 to 20/1, for a time between 3 and 100 seconds and at a temperature between 250 and 470°C, in the presence of a mixed catalyst composed of oxides, halides and/or oxyhalides of nickel and chromium deposited on a support consisting of aluminium fluoride or of a mixture of aluminium fluoride and alumina; the content, by weight, of nickel in the catalyst being from 0.5 to 20% the content, by weight, of chromium being from 0.5 to 20% and the nickel/chromium atomic ratio being between 0.5 and 5 and recovering the pentahaloethane(s) of formula (I) obtained in known manner.

(Com. - 23 pages)

Ind. Cl. : 93 & 90I

183989

Int. Cl.⁴ : C 03 C 17/00. B 65 G 49/00.**APPARATUS FOR APPLYING SURFACE COATINGS TO GLASS CONTAINERS.**

Applicant : OWENS-BROCKWAY GLASS CONTAINER INC., ONE SEAGATE, TOLEDO OH-43666, USA, A CORPORATION OF THE STATE OF DELAWARE, USA.

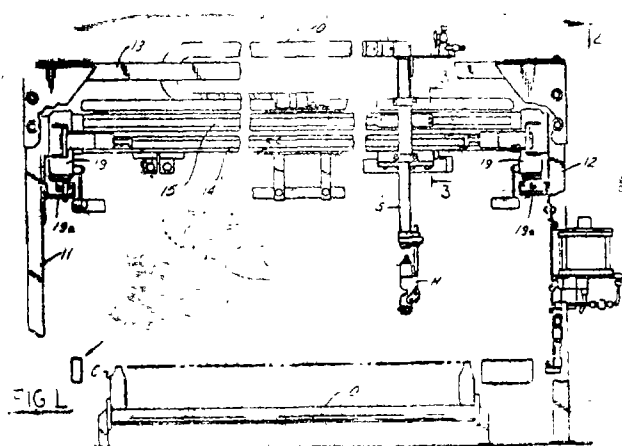
Inventors : 1. WILLIAM J. POAD; 2. MICHAEL T. DEMBICKI; 3. THOMAS E. WANSON.

Application No. 51/Mas/94 filed on 27th January, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

An apparatus for applying surface coating to glass containers as they are moved in rows that extend transversely by a conveyor moving longitudinally comprising cylinder means comprising a cylinder barrel and a piston movable in said cylinder barrel, means for supporting said cylinder means for pivoting movement about a vertical axis, actuator means connected solely to one end of said cylinder means for shifting said cylinder means such that said cylinder barrel is positioned so that its axis is in a plurality of positions including a right angle and acute angle relative to the direction of movement of the conveyor, means for mounting spray apparatus on said piston such that as the piston is reciprocated by selective application of air on opposite ends of the cylinder barrel the spray apparatus is moved transversely.



Comp. Specn. 14 pages;

Drgs. 10 sheets.

Ind. Cl. : 172 D2

183990

Int. Cl.⁴ : D 01 H 9/00.

TUBE LOADER OF THE TYPE USED WITH TEXTILE MACHINES.

Applicant : MACHINENFABRIK RIETER AG., CH 8406 WINTERTHUR, SWITZERLAND, A SWISS COMPANY.

Inventor : MALINA LUDEK.

Application No. 80/Mas/94 filed on 9th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A tube loader with means for the separation (20) of tubes (18, 19) for transfer to a receiving device (40), through which a tube transport device (50) is connected to the receiving device, characterized in that means for checking the end position and for sorting of the tubes (17, 18, 19) are provided, which consist of a sliding device (30, 31a, 31b) for a tube with carriers (31a, 31b) in relation to the tube (18, 19) movable in its longitudinal direction, one carrier (31a) engaging with tube's end having a large diameter, with a funnel (28) situated opposite the sliding device (30), the funnel having a left hand and a right hand guide (26) supporting the tube (17) at one end, so that the shifted tube is supported by the end with the smallest diameter by one of the guides (26).

allowing the other end to fall first into the funnel (28) of the receiving device (40).

Comp. Specn. 21 pages;

Drgs. 6 sheets.

Ind. Cl. : 107 G

183991

Int. Cl.⁴ : F 02 M 21/00

F 02 D 19/00.

A DEVICE FOR RUNNING AN ENGINE SUCH AS AUTOMOBILE ENGINE WITH LIQUID PETROLEUM GAS.

Applicant : ANUMANTAPALLI SATHYA NARAYANAN, A CITIZEN OF INDIA, IF SRI JAYA ENGINEERING WORKS, YATAMVARI STREET, RAMARAOPET, TADAPALLI GUDAM WEST GODAVARI DISTT., ANDHRA PRADESH-534 101, INDIA.

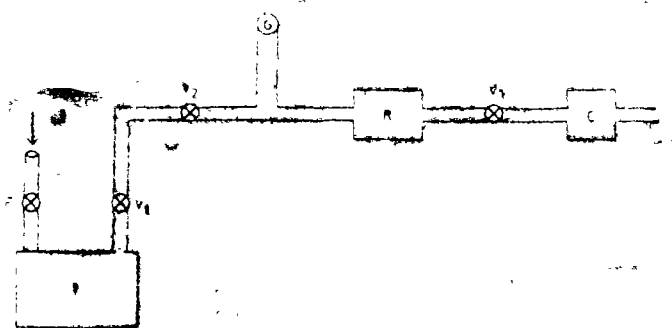
Inventor : (1) ANUMANTAPALLI SATHYA NARAYANAN.

Application No. 822/Mas/93 filed on 17th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A device for running an engine such as an automobile engine with liquid petroleum gas (LPG) comprising a container (T) for storing the LPG fuel having filling means (F) for filling LPG and at least one opening and closing valve (V₁, V₂), a fuel pressure gauge (G) across an LPG pipe line connected to the said opening and closing valve of the container, a fuel regulator (R) whose inlet is connected to the said LPG pipe line and the outlet is connected through a start/stop control valve (V₃) to a gas control means (C) for regulating the LPG fuel supply in order to accelerate or decelerate the working of the engine.



Comp. Specn. : 6 Pages;

Drgs. : 1 Sheet.

Ind. Cl. : 128 C H.

183992

Int. Cl.⁴ : A 61 C 13/00.

ANCHORING ELEMENT FOR IMPLANTATION IN TISSUES ESPECIALLY BONE TISSUE.

Applicant : MEDEVELOP AB A SWEDISH COMPANY, OF PO BOX 5411, S-402 29 GOTHENDURG, SWEDEN.

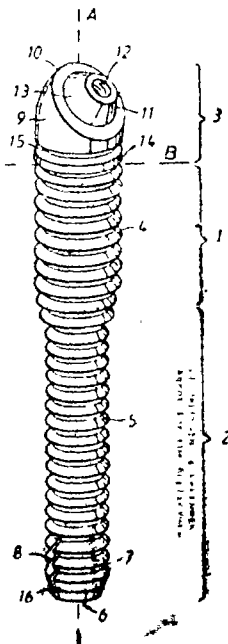
Inventor : (1) PER-INGVAR BRANEMARK.

Application No. : 839/Mas/93 filed on 23rd November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

An anchoring element for implantation in tissues, especially bone tissue, having a rotational symmetric shape and consisting of a biocompatible material, which at its one end, the supporting end, being intended to support prostheses, artificial joint components, tooth bridges, artificial teeth and the like, and which on its outer surface is provided with an external screw thread, characterized in that the anchoring element is cylindrical and that its end parts have a different diameter, whereby the end portion with the smaller diameter is positioned at the insertion part of the anchoring element and said end parts are at least partially supplied with a threaded portion, the thread being directed towards the insertion end and both thread portions having the same pitch.



Comp. Specn. 17 Pages;

Drgs : 2 sheets.

Ind. Cl. : 40 A1

183993

Int. Cl.⁴ : B 01 J 8/00, -19/00.

A MODIFIED HETEROGENEOUS EXOTHERMIC SYNTHESIS REACTOR.

Applicant : AMMONIA CASALE S.A., VIA SORENGO 7-CH-6900 LUGANO-BESSO, SWITZERLAND; A SWISS NATIONALITY; AND UMBERTO ZARDI, VIA LUCINO 57 - CH-6932 BREGANZONA, SWITZERLAND; AN ITALIAN NATIONALITY.

Inventors : 1. UMBERTO ZARDI 2. GIORGIO PAGANI; 3. ERMANNO FILIPPI.

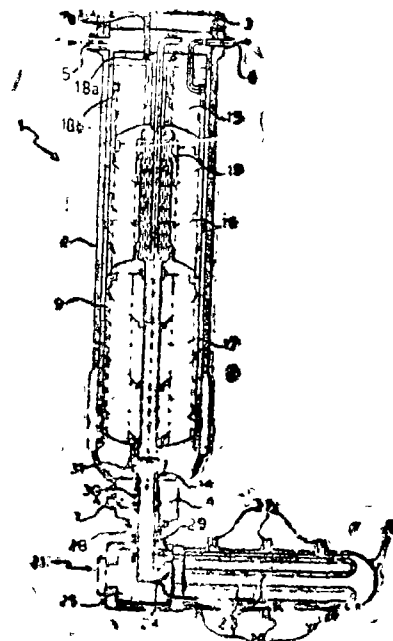
Application No. 842/Mas/93 filed on 23rd November 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A modified heterogeneous exothermic synthesis reactor comprising an external shell (2), in which at least one catalytic bed (15, 16, 17) is supported in fluid communication with a nozzle (4) extending below said shell (2) said nozzle being provided with an opening (7) for withdrawing the reaction products leaving said at least one catalytic bed (15, 16, 17), characterised in that the modification comprises a boiler (21) for generating high pressure steam outside said shell (2); the boiler (21) is connected to the shell (2) in proximity of said nozzle (4); said at least one catalytic bed (15, 16, 17) is connected with an inlet collector (24) in said boiler (21) by

means of a conduit (29) extending the said nozzle (4) to form an annular airspace (30); said conduit (29) and airspace (30) defining respective flowpath for the reacted gases to said boiler (21) and from said boiler (21) to the outside of the reactor.



Comp. Specn. 16 pages;

Drgs. 3 sheets.

Ind. Cl. : 172 D3

183994

Int. Cl.⁴ : B 23 M 19/02.

SPINDLE FOR SPINNING FRAME.

Applicant : MASCHINENFABRIK RIETER AG., A SWISS COMPANY. CH-8406, WINTERTHUR, SWITZERLAND.

Inventors :

1. BIBERSTEIN HUGO
2. BURGERMEISTER ULRICH

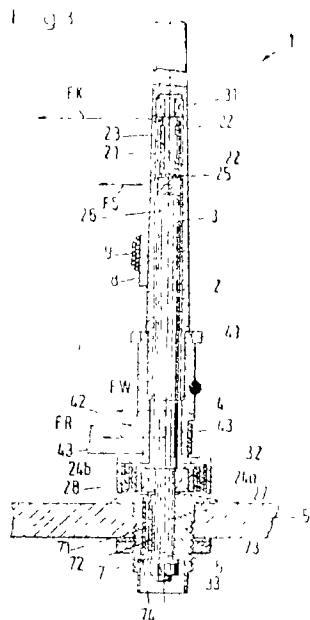
Application No. 851/Mas/93 filed on 25th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

Spindle for spinning frame comprising a rotor (3) to receive a yarn body (9) and a stator (2) to support the rotor (3) with at least one bearing (31, 32) between the rotor and the stator, whereby the stator (2) rests in a bracket (5) of the spinning frame and at least one of each part (26) of the stator (2) and the bearing (31, 32) are positioned inside the rotor and a resilient insert (24a, 24b)

is provided at bearing (32), wherein the stator (2) is also, at least partially, supported by way of a resilient insert (71, 72) within the bracket (5).



(Compl. Specn. : 12 pages;

Drgs. : 2 sheets)

Ind. Cl. : 40 B

183995

Int. Cl.³

C 10 G 35 / 095
B 01 J 29 / 10.

A METHOD OF PRODUCING PRETREATED REFORMING CATALYST.

Applicant : CHEVRON RESEARCH AND TECHNOLOGY COMPANY, A DIVISION OF CHEVRON U.S.A. INC., A CORPORATION DULY ORGANIZED UNDER THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA USA, HAVING OFFICES AT 555-MARKET STREET, SAN FRANCISCO, CALIFORNIA, U.S.A.

Inventors :

- (1) ROBERT L. HISE
- (2) STEVEN E. TRUMBULL
- (3) WILLIAM J. CANNELLA
- (4) ROBERT A. INNES
- (5) BERNARD F. MULAS KEY

Application No. 858/Mas/93 filed on 30th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

23 Claims

A method of producing a pretreated reforming catalyst comprising a large-pore zeolite containing at least one Group VIII metal, comprising the step of treating said catalyst with hydrogen gas in the temperature range of from 1025 to 1275°F while maintaining the water level of the effluent gas below 200 ppm and recovering said pretreated catalyst by known means.

(Compl. Specn. : 33 Pages;

Drwgs : 02 sheets).

Ind. Cl. : 98 D

183996

Int. Cl.⁴ : C 09 K 5/06.

**A HEAT STORAGE MATERIAL FOR LATENT HEAT
ACCUMULATOR OR LATENT COLD ACCUMULATOR.**

**Applicant : SCHUMAN SASOL GMBH & CO. OF
WORTH DAMM 13-27 D-20457 HAMBURG, GERMANY,
A GERMAN COMPANY.**

Inventors :

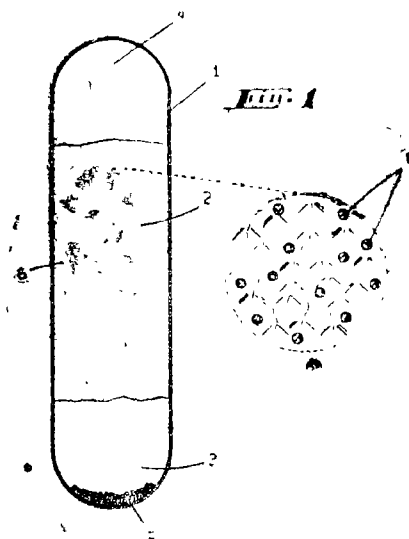
- (1) DR. ING. GUNTER HILDEBRAND
- (2) MICHAEL MATTHAI
- (3) DR. ING. NORBERT MATZAT
- (4) ROLF LAUDI
- (5) DR. ING. KLAUS FIEBACK
- (6) DR. ING. WOLFGANG AHRENS
- (7) THOMAS KRAMER.

Application No. 860/Mas/93 filed on 1st Dec 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch

16 Claims

A heat storage material for latent heat accumulator or latent cold accumulator comprising a substance such as paraffin which solidifies by forming crystal structures by with a structure additive selected from 0.01 to 1 percent by weight of polyalkyl (Meth) acrylates and 0.01 to 5 percent of an anti-foam agent homogeneously dissolved therein.



(Compl. Specn. : 17 pages;

Draw. : 3 sheets)

Ind. Cl. : 126 D

183997

Int. Cl.⁴ : G 01 B 1/00, 3/00.

A DEVICE FOR MONITORING A FLOW OF PARTICLES CIRCULATING IN A PIPE.

Applicant : INSTITUTE FRANCAIS DU PETROLE, 4,
AVENUE DE BOIS-PREAU, 92502 RUEIL-MALMAISON,
FRANCE, A FRENCH COMPANY.

Inventors :

1. ANDRE BUISSON
2. CLAUDE BEAUDUCEI
3. DAMIEN GILLE.

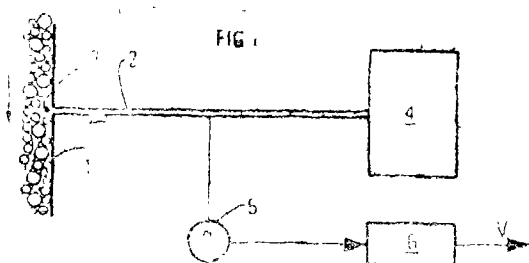
Application No. 862/Mas/93 filed on 2nd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A device for monitoring a flow of particles circulating in a pipe (1), comprising :

- at least one tube (2) opening into the pipe through a port (3), the tube at least at the level of the port having a section proportional to the section of the circulating particles;
- at least one fluid source for injecting a fluid of predetermined flow rate into the tube (2);
- pressure means for measuring variations with time of the fluid pressure resulting from the flow of said particles past the port of the tube, and processing means (6) connected with the pressure means for calculating at least the velocity of the particles in the pipe (1) from signals generated by the pressure means.



(Compl. Specn. : 14 Pages;

Drgs. : 3 sheets)

Ind. Cl. : 129 C

183998

Int. Cl.⁴ : B 23 P 15/32, B 23 B 51/00, 51/06

SPIRAL DRILL AND METHOD FOR MANUFACTURING THE SAME.

Applicant : SANDVIK AB, S-811 81 SANDVIKEN, SWEDEN, A SWEDISH COMPANY.

Inventors :

1. TOMMY TUKALA
2. LEIF KARLSSON
3. KENT ERIKSSON

Application No. 865/Mas/93 filed on 2nd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A spiral drill adapted to support indexable cutting inserts, said drill comprising :

a shank part;

a spiral part projecting forwardly from said shank part and having two spirally curved ribs, pockets formed in forward ends of respective ones of said ribs for receiving respective cutting inserts, a first of said pockets being located farther from a center line of said drill than is a second of said pockets; and coolant channels each extending through both said shank and one of said ribs and forming an exit opening at said forward end of a respective rib,

each coolant channel having a spirally curved portion disposed in its respective rib and having the same curvature as the rib, there being no more than two coolant channels in said spiral part, a first of said exit openings being located farther from said center line than is a second of said exit openings.

Compl. Specn. : 11 pages;

Drgns. : 1 sheet)

Ind. Cl. : 22

183999

Int. Cl.⁴ : B 65 D 1/00

A CONTAINER DIMENSIONALLY STABLE AT TEMPERATURES EXCEEDING 110°C MADE FROM A POLYETHYLENE COMPOSITION.

Applicant : DSM N V, HET OVERLOON 1, 6411 TE HEERLEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventor : LUCAS EVARISTUS JOSEPHUS MARIA VAN DE WALLE.

Application No. 868/Mas/93 filed on 3rd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A container dimensionally stable at temperatures exceeding 110°C made from a polyethylene composition comprising a mixture of two types of polyethylene, characterized in that the polyethylene composition comprises 50—80% of a substantially linear homo- or copolymer of ethylene with one or more α -olefins with 3—12 C-atoms and optionally one or more non-conjugated dienes with a density between 920 and 965 kg/m³ (LLDPE) and 20—50% of a branched polyethylene, prepared according to a radical high-pressure polymerization process, with a density between 915 and 935 kg/m³ (LDPE), the container having a modulus of elasticity above 130 N/mm².

(Compl. Specn. : 12 pages;

Drg. : Nil sheet)

Ind. Cl. : 107 A, C, G

184000

Int. Cl.⁴ : F 02 F 11/00.

A MULTIPLE SEALING SYSTEM FOR A CYLINDER HEAD GASKET.

Applicant : DANA CORPORATION, A CORPORATION OF THE STATE OF VIRGINIA, USA, OF 4500 DORR STREET, TOLEDO OHIO, U.S.A.

Inventor :

- (1) HARRY G. WILLIS, JR.
- (2) MARK M. SHUSTER

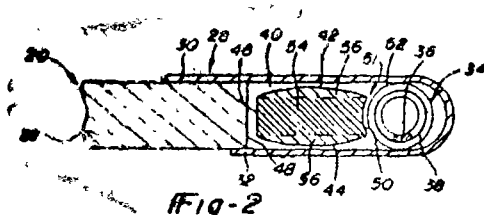
Application No. 880/Mas/93 filed on 8th December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

A multiple sealing system for a cylinder head gasket comprising an annular primary seal and an annular secondary seal, said secondary seal positioned radially inwardly of and defining a radial axis, said secondary seal abutting said primary seal, said secondary seal of shape comprising a radially elongate cross-section extending along said axis with two opposed outer convex surfaces each spaced away from

said axis, said cross-section having two annular faces centered on said axis, said faces defining radial extremities of said secondary seal.



(Compl. Specn. : 13 pages;

Drgs. : 1 sheet)

Ind. Cl. : 120 B4

184001

Int. Cl.^A : F 01 M 1/02.

APPARATUS FOR MIXING OIL AND PETROL IN TWO-STROKE ENGINES.

Applicant : PIAGGIO VEICOLI EUROPEL S.P.A., A COMPANY ORGANIZED UNDER THE LAW OF THE ITALIAN REPUBLIC OF VIALE RINALDO PIAGGIO 23-PONTEDERA, PISA, ITALY.

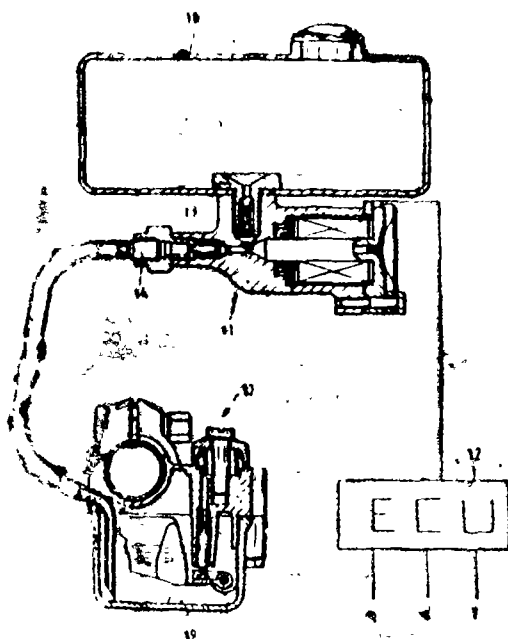
Inventor : MARCO NUTI—ITALY.

Application for Patent No. 557/Del/91 filed on 25th June, 1991.

Appropriate office for opposition proceedings (Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005

7 Claims

An apparatus for mixing oil and petrol in two-stroke engines provided with at least one first tank for petrol feed, at least one second tank for oil (10) feed and at least one carburettor (17) fixed onto an induction (22) duct of said engine, characterised in that downstream of said second (10) tank there is provided a constant volume positive displacement pump (11) of electromagnetic type in communication with said second (10) tank in order to withdraw constant oil volumes therefrom and feed them to said carburettor or said induction (22) duct through a suitable tube (15, 20, 21).



(Compl. Specn. : 7 Pages

Drgs. : 2 sheets)

Ind. Cl. : 55 E4

184002

Int. Cl.^A : A 61 K 31/00.

A PROCESS OF PREPARING A SYNERGISTIC COMPOSITION FOR TREATING TYPES OF DEPRESSION, WITH OBSESSIVENESS, DEPRESSION WITH ANXIETY, MANIA(MANIAC DEPRESSION.

Inventor : LEE G. DANTE (U.S.A.).

Applicant : JOHN S. NAGLE, A U.S. CITIZEN, OF GAEGLER & HOPEWELL, 6309 BALTIMORE AVENUE, SUITE 201, RIVERDALE MD 20737, U.S.A. AND LEE G. DANTE, A U.S. CITIZEN, OF 321, BERKELEY ROAD, MERION, PENNSYLVANIA 19066, U.S.A.

Application for Patent No. 1652/Del/95 filed on 07-09-95.

Appropriate office for opposition proceedings (Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

6 Claims

A process of preparing a synergistic composition for treating types of depression, obsessiveness, depression with obsessiveness, depression with anxiety, mania, manic depression, depression with seizures, and combinations of these illness, said process comprising mixing in any known manner a pharmacologically effective amount such as herein described of :

- (i) an opioid antagonist such as herein described,
- (ii) at least one compound selected from antidepressant such as herein described,
- (iii) lithium, and
- (iv) optionally, a pharmacologically acceptable carrier.

(Compl. Specn. 18 pages

Drgns. Nil Sheet)

Ind. Cl. : 60 X (b)

184003

Int. Cl.^A : C 07 K—7/06.

AN IMPROVED PROCESS FOR THE PRODUCTION OF CYCLOSPORIN A FROM TLYPOCLDIUM GENUS OF FUNGI.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Application for Patent No. 1920/Del/95 filed on 19th Oct. 1995.

Appropriate office for opposition proceedings (Rule 4, (Patents Rules 1972) Patent office Branch, New Delhi-110005.

5 Claims

An improved process for the production of cyclosporin A from tolypocladium genus of fungi which comprises cultivating novel strain of Tolypocladium inflatum capable of producing cyclosporin A and having characteristics as herein described in a conventional solid nutrient medium containing wheat bran supplemented with conventional trace elements optionally with precursor amino acids such as alpha amino butyric acid, L-valine, L-leucine in a known manner and recovering the cyclosporin A from the fermented matter by conventional extraction methods.

(Compl. Specn. 14 pages

Drgns. : Nil sheet)

Ind. Cl. : 55E4, 60X,b

184004

Ind. Cl.⁴ : A 61 31/00

A PROCESS OF PREPARING A SYNERGISTIC MEDICINAL COMPOSITION FOR THE TREATMENT OF DYSMENORRHOEA.

Applicant : SBL LIMITED AN INDIAN COMPANY OF 14 & 15, "ARUNACHAL", 19 BARAKHAMBA ROAD, NEW DELHI-110 001 (INDIA).

Inventor(s) : DR. JUGAL KISHORE-INDIA,

DR. OM PRAKASH-INDIA,

DR. BEENA THOMAS-INDIA.

Application for Patent No. 1984/Del/95 filed on 30-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

(3 Claims)

A process of preparing a synergistic medicinal composition for the treatment of dysmenorrhoea comprising :-

- (i) Preparing individually extracts of Belladonna (whole plant), Viburnum opulus (Bark), Caulophyllum (Rhizome) and Cimicifuga (Rhizome) in manner as herein described.
- (ii) Potentising individually the extracts of said ingredients with alcohol or distilled water to a predetermined potency.
- (iii) Triturating, Magnesium phosphate ($MgHPO_4 \cdot 7H_2O$) in lactose to a potency ranging between 3-30 on the decimal scale.
- (iv) Mixing in equal proportions the products obtained in steps (i) and (iii).

(Complete Specification 9 Pages Drawing Sheet Nil)

Ind. Cl. : 32F1, 55D2

184005

Int. Cl.⁴ : A 01N 35/00, 37/00

A PROCESS FOR PREPARING A-66, DIHALO-33, DIMETHYL-5, HYDROXY-777, TRIFLUORO-HEPTANOATE.

Applicant : ZENECA LIMITED, A BRITISH COMPANY, OF 15-STANHOPE GATE, LONDON W1Y 6LN, ENGLAND.

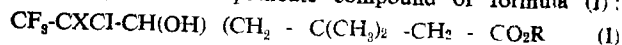
Inventor(s) : MARTIN CHARLES BOWDEN-U.K.

Application for Patent No. 2013/Del/95 filed on 01-11-95.

Appropriate office for opposition proceedings Rule 4. (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(3 Claims)

A process for preparing a 6, 6-dihalo-3, 3-dimethyl 5-hydroxy-7,7,7-trifluoroheptanoate compound of formula (I):



wherein x is chlore or brome and R is alkyl of upto 4 carbon atoms, which comprises reacting a compound of formula (II), $CF_3-CHXCl$

wherein x is chlore or brome, with a compound of formula (III) : $O-CH-CH_2-C(CH_3)_2-CH_2-CO_2R$ (III)

wherein R is alkyl of upto 4 carbon atoms, in the presence of an alkali metal alkoxide and an inert solvent, and where-in the process is conducted within the temperature range of 80 to 0°C.

(Complete Specification 11 Pages Drawing Sheet Nil)

Ind. Cl. : 55E4

184006

Int. Cl.⁴ : A 61K 31/00

PROCESS FOR THE PREPARATION OF NOVEL PHARMACEUTICAL COMPOSITION CONTAINING RANITIDINE OR ITS HYDROCHLORIDE IN EFFERVESCENT FORM.

Applicant : RANBAXY LABORATORIES LTD. 19, NEHRU PLACE, NEW DELHI-110019, INDIA.

Inventors : FARHAN JALEES AHMAD (INDIA), CHETAN RAJSHARAD (INDIA) & HIMADRI SEN (INDIA).

Application for Patent No. 2138/Del/95 filed on 22-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the preparation of a novel pharmaceutical composition in effervescent form as powder, granules or tablets comprising mixing ranitidine or its hydrochloride, 25% to 70% of disodium citrate and 20% to 50% of sodium bicarbonate and also optionally 0.1% to 25% of glycine, conventional sweetening, flavouring, binding, lubricating agents and the mixture thus obtained is used as powder or formed into granules or tablets by conventional techniques as herein described.

(Complete specification 10 pages)

Ind. Cl. : 55 E4

184007

Int. Cl.⁴ : C 08F-2/04, A 01N-25/10.

A PROCESS FOR THE PREPARATION OF A HERBICIDALLY EFFECTIVE CLOMAZONE COMPOSITION.

Applicant : FMC CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1735 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

Inventors : FUI-TSENG HUANG LEE—U.S.A., PAUL NICHOLSON—U.S.A.

Application for Patent No. 2149/Del/95 filed on 23-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A process for the preparation of a herbicidally effective clomazone composition comprising the step of :-

(a) microencapsulating clomazone by interfacial polymerization to form plural cured microcapsules comprising a polyurea shell wall surrounding encapsulated material comprising clomazone, said herbicidally effective clomazone composition having a clomazone volatility less than that of an emulsifiable concentrate containing a corresponding concentration of clomazone.

(Compl. Specn. 31 pages

Drwng Sheet Nil)

Ind. Cl. : 83 B (3)

184008

Int. Cl.⁴ : C 09 K-15/00 (2).

A PROCESS FOR THE PREPARATION OF ANTIOXYGENIC SALT.

Applicant : THE CHIEF CONTROLLER, RESEARCH & DEVELOPMENT MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, OF B-341, SENA BHAWAN, DHQ P.O. NEW DELHI-110 001, INDIAN.

Inventors : DR. SADA SINGH ARYA, INDIAN, GOPAL KUMAR SHARMA, INDIAN AND ANIL DUTT SEMWAL, INDIAN.

Application for Patent No. 2337/Del/95 filed on 15-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of anti oxygenic salt for use in fried products comprising preparing a solution of 0.1-2 gm antioxidants and 0.1-1 gm citric acid in 2-10 gm propylene glycol, homogenizing the same by diluting with 100-500 ml ethyl alcohol in a flask and then adding 50-500 gm finely powdered free-flowing crystalline sodium chloride or any other salt or their mixture into said flask, followed by rotary vacuum drying to get anti-oxygenic salt.

(Compl. Specn. 6 pages

Drwg Sheet Nil)

Ind. Cl. : 55E

184009

Int. Cl.⁴ : A 61K 31/00.

AN IMPROVED PROCESS FOR THE EXTRACTION OF ANTIBIOTICS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors : UDAY TRIAMBAK BHALERAO, INDIA, NITIN WASANTRAO PADNAVIS, INDIA, ASHLESHA ANAND DESHPANDE, INDIA.

Application for Patent No. 2457/Del/95 filed on 29-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the extraction of antibiotics which comprises extracting antibiotic from the fermentation both containing antibiotic with reverse micellar solution of water immiscible aliphatic organic solvent containing conventional negatively or positively charged surfactant at a pH in the range of 4 to 5 under stirring, separating organic layer containing antibiotic, re-extracting the antibiotic from organic layer using aqueous buffer in the pH range of 8 to 8.5 and drying the isolated antibiotic.

(Complete Specn. 12 pages

Drng. Sheet Nil)

Ind. Cl. : 55E

184010

Int. Cl.⁴ : A 61K 31/00.

A PROCESS FOR THE PREPARATION OF CARDANOLIDES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

RANJIT KUMAR CHATTERJEE—INDIA,
BHOLA NATH DHAWAN—INDIA,
ANIL KUMAR DWIVEDI—INDIA,
NIGAR FATMA—INDIA,
DINESH KUMAR KULSHRESHTHA—INDIA,
BUSHAN NARAIN MEHROTRA—INDIA,
PUVVADA KALPNA MURTHY—INDIA,

5—97 GI/2000

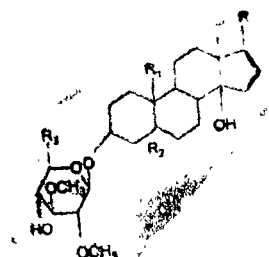
RAGHWENDRA PAI—INDIA,
GYANENDRA KUMAR PAI/NAIK—INDIA,
SUBHA RASTOGI—INDIA,
NARENDRA KUMAR SHARMA—INDIA,
ARUN KUMAR SHAW—INDIA,
SATYAWAN SINGH—INDIA.

Application for Patent No. 2464/Del/95 filed on 29-12-95.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

5 Claims

A process for the preparation of cardanolides possessing macrofilaricidal activity but devoid of cardiac activity and having the general formula 2



shown in the drawing accompanying this specification where R represents a saturated T-lactone ring of formula 1 R₁ = CH₂ or CHO, R₂ = OH or H and R₃ = CH₂ or CH₂OH



which comprises, selectively reducing the general compound of the formula 2 where R represents x, b unsaturated T-lactone ring of formula 3



R₁, R₂, R₃ has the meaning given above in the presence of a conventional hydrogenation catalyst such as herein described and a polar organic solvent having polarity index ranging from 4 to 5 to obtain the cardanolide of the general formula 2.

(Compl. Specn. 18 pages

Drgn. 1 sheet)

Ind. Cl. : 154 D

184011

Int. Cl.⁴ : B 41 F 31/00.

APPARATUS FOR CONTAINING INK AND SUPPLYING TO AN INK JET RECORDING HEAD.

Applicant : CANON KABUSHIKI KAISHA, 3-30-2 SHIMOMARUKO, OHFUA-KU, TOKYO, JAPAN. A JAPANESE COMPANY.

Inventors :

1. NORIBUMI KOITABASHI
2. MASAMI IKEDA
3. SADAYUKI SUGAMA
4. NAOHITO ASAI
5. HIROMITSUHI RABAYASHI
6. TSUTOMU ABE
7. HIROSHI SATO
8. SHIGEYASU NAGOSHI
9. EIICHIRO SHIMIZU
10. MASAHICO HIGUMA
11. YUJI AKIYAMA
12. HITOSHI SUGIMOTO
13. MIYUKI MATSUBARA
14. SHINICHI SATO
15. FUMIHIRO GOTOH
16. MASAYA UETSUKI.

Application No. 685/Mas/93 filed on 28th September 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch

11 Claims

An apparatus for containing ink and supplying to an ink jet recording head, said apparatus comprising: a first container containing a negative pressure producing material such as herein described and having an air vent and a supply port for supplying the ink out of the container; a second container for containing ink; a communication part for communication between bottom portions of said first and second containers, and ambient air introducing means adjacent said air vent for introducing air into said communication part.

(Compl. Specn. 121 pages;

Drwgs. 45 sheets)

Ind. Cl. : 172 D 8, 9.

184012

Int. Cl.⁴ : D 01 H 1/14.

A RING SPINNING MACHINE FOR STABILIZED SPINNING LAP OPERATION.

Applicant : MASCHINENFABRIK RIETER AG. A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : GROB FRITZ.

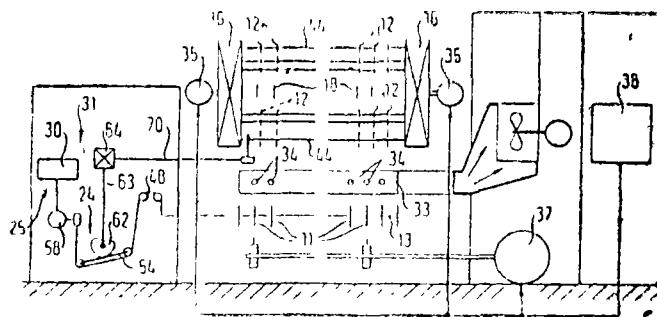
Application No. 706/Mas/93 filed on 4th October 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

13 Claims

A ring spinning machine for stabilized spinning-lap operation comprising at least one row of vertically rotating spindles (11), roving yarn holders (189) drafting arrangements (12), reciprocating ring rail (13) stretching along the row with an opening (15) for every spindle corresponding at least to the diameter of a full cop (14) an encircling traveller ring (16) with traveller (17) for the opening through which a reciprocating movement gradually approaching the upper limit of the cop is imparted with the formation of the cop (14) with means for lowering the ring rail (13) before switching on the rotary movement of the spindles (11) and the drafting arrangements (12) with a time delay, wherein means are provided to initiate a quicklifting and a lowering of the ring rail (13) after the lowest normal lap position (22) has been reached, with the thread (21) guided through the traveller (17) fixed on the bottom of the spindle (11), the speed of lowering being higher than the subsequent speed when the spindle is not switched on and with

the drafting arrangements (12), and the normal axial lap movement of the ring rail (13), being switched on after starting the spindles (11).



(Comp. Specn. 18 pages :

Drgs. 3 sheets)

Ind. Cl. 80 H

184013

Int. Cl.⁴ : C 02 F 1/40 and B 01 D 23/00.

DEVICE AND METHOD TO SEPARATE THE COMPONENTS IN MIXTURES OF NON-MISCIBLE LIQUIDS.

Applicant : ITAL TRACO S R L., AN ITALIAN COMPANY, VIA TERRAGGIO 17, 20123 MILANO, ITALY.

Inventor : ALBERTO TORINI.

Application No. 746/Mas/93 filed on 20th October 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

25 Claims

Device for separating two components of a mixture (11) of non-miscible liquids, of the type consisting of a hollow body (2) having an inlet port (4) to feed said mixture (11), a first outlet port (5) and a second outlet port (6) to respectively discharge the separate heavier and lighter components of said mixture (11), and a filter (7) positioned between said outlet ports (5, 6), characterized in that said filter (7) is thoroughly and permanently soaked—so that no air is trapped therein—with one of the components of said mixture: and is positioned between said inlet port (4) and the outlet port of the soaking component.

(Compl. Specn 17 pages;

Drgs. one sheet)

Ind. Cl. : 113-B

184014

Int. Cl.⁴ : F 23 Q 2/00.

A SELECTIVELY ACTUATABLE LIGHTER.

Applicant : BIC CORPORATION, INCORPORATED UNDER THE LAWS OF NEW YORK, OF 500 BIC DRIVE, MILFORD, CT-06460, U.S.A.

Inventors :

- (1) JAMES M. McDONOUGH, (U.S.A.)
- (2) FLOYD B. FAIRBANKS, (U.S.A.)
- (3) JEAN MICHEL MONNIER, (U.S.A.).

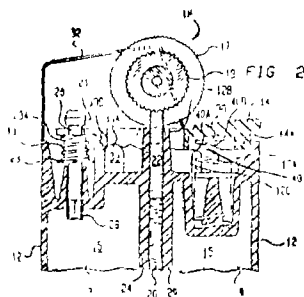
Application No. 762/Mas/93 dated October 25, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

8 Claims

A selectively actuatable lighter comprising a housing defining a fuel reservoir, said housing having a longitudinal axis: valve means for selectively releasing fuel from said

fuel reservoir; means for igniting the released fuel, actuator means for engaging said valve means such that fuel is released when a depressible portion of said actuator means is depressed along the longitudinal axis of said housing, at least a portion of said actuator means disposed above a portion of said housing when in a latched position for preventing said actuator means from being depressed by abutting said portion of said housing, said actuator means being slideably and pivotally mounted within a sidewall portions of said housing, wherein inward movement of said depressible portion of said actuator means into an unlatched position provides a void between said actuator means and said housing, said void being sufficient in size to allow said actuator means to be depressed so as to allow fuel to be released from said fuel reservoir; and camming means operatively engaging said valve actuator for forcing said depressible portion of said valve actuator outward away from said longitudinal axis into its first position and the lighter out of its unlatched configuration when said depressible portion of said valve actuator is depressed.



(Compl. Specn. 38 pages,

Drwgs. 6 sheets)

Ind. Cl. : 32 F 2c

184015

Int. Cl.⁴ : C 12 P 13/00.

A METHOD FOR PRODUCING L-GLUTAMIC ACID.

Applicant : AJINOMOTO CO., INC. 15-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors :

1. TOTSUYA YOSHIOKA
2. TOSHIMASA ISHII
3. YOSHIO KAWAHARA
4. YOSUKE KOYAMA
5. EIKO SHIMIZU.

Application No. 2626/Mas/97 filed on 18th November 1997.

(Convention No. 8-310845 on 21st November 1996 in Japan.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A method for producing L-glutamic acid, comprising the steps of inoculating a microorganism belonging to the genus *Brevibacterium* or *Corynebacterium* and having an ability to produce L-glutamic acid into a liquid medium containing a carbon source and a nitrogen source conducting continuous L-glutamic acid fermentation in which both a carbon source and a nutrient having an effect of promoting bacterial growth are added to the culture medium so as to cause the microorganism to grow and then collecting L-glutamic acid produced and accumulated in the culture medium.

(Compl. Specn. 26 pages;

Drgs. 5 sheets)

Ind. Cl. : 1 E

184016

Int. Cl.⁴ : C 08 B 30/00

A METHOD FOR PRODUCING LIQUIFIED STARCH.

Applicant : NOVO NORDISK A/S. A DANISH JOINT-STOCK COMPANY, NOVO ALLE, DK-2880 BAGSVAERD, DENMARK.

Inventors

1. SVEN PEDERSEN
8. CLAUD CHRISTOPHERSEN.

Application No. 2706/Mas/97 filed on 26th Nov. 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A method for producing liquified starch comprising the steps of treating a starch substrate in aqueous medium with a pure carbohydrate-binding domain (CBD) such as herein described and at least one amylolytic enzyme between pH 5.5 and 6.2 at a temperature range of 95 to 160°C and recovering the liquified starch by known means.

(Compl. Specn. 33 pages;

Drgs. 3 sheets)

Ind. Cl. : 32 F 1

184017

Int. Cl.⁴ : C 07 C 103/00.

A PROCESS FOR THE PREPARATION OF L-5-(2-ACETOXYPROPYONYLAMINO)-2, 4, 6-TRIIODO-ISOPHTHALOYL DICHLORIDE.

Applicant : BRACCO INTERNATIONAL B.V., A DUTCH COMPANY, OF STRAWINSKYLAAN 3051, AMSTERDAM, NETHERLANDS.

Inventor(s) :

1. VILLA MARCO.
2. PAIOCCHI MAURIZIO.

Application No. 2958/Mas/97 filed on 22nd December 1997.

(Convention No. M196A002736 on 24-12-96 in Italy).

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A process for the preparation of L-5-(2-acetoxypropionylamino)-2, 4, 6-triiodo-isophthaloyl dichloride by reacting 5-amino-2, 4, 6-triiodoisophthaloyl dichloride with L-2-acetoxypropionyl chloride in N, N-dimethylacetamide as the solvent and adding a catalytic amount as herein described of water to the reaction mixture.

(Compl. Specn. 09 Pages;

Drng. Nil Sheet)

Ind. Cl. : 32 F1

184018

Int. Cl.⁴ : C 07 C 103/00.

A PROCESS FOR THE PREPARATION OF L-5-(2-ACETOXYPROPYONYLAMINO)-2, 4, 6-TRIIODO-ISOPHTHALOYL DICHLORIDE.

Applicant : BRACCO INTERNATIONAL B.V., A DUTCH COMPANY, STRAWINSKYLAAN 3051, AMSTERDAM, NETHERLANDS.

Inventor(s) :

1. VILLA MARCO.
2. PAIOCCHI MAURIZIO.

Application No. 2959/Mas/97 filed on 22nd December 1997.

Convention No. M196A002735 on 24th December 1996 in Italian

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for the preparation of L-5-(2-acetoxypionylamino)-2, 4, 6-triiodo-isophthaloyl dichloride by reacting 5-amino-2, 4, 6-triiodoisophthaloyl dichloride with L-2-acetoxypionyl chloride in N, N-dimethylacetamide as the solvent and adding a catalytic amount as herein described of a lower alcohol to the reaction mixture.

(Compl. Specn. 10 Pages;

Drugs. Nil Sheet)

Ind. Cl. : 32 F 1

184019

Int. Cl.⁴ : C 07 C 103/00.

A PROCESS FOR THE PREPARATION OF PURIFIED L-5-(2-ACETOXYPROPIONYLAMINO)-2, 4, 6-TRIIODO-ISOPHTHALOYL DICHLORIDE.

Applicant : BRACCO INTERNATIONAL B.V., A DUTCH COMPANY, OF STRAWINSKYLAAN 3051, AMSTERDAM, NETHERLANDS.

Inventor(s) :

1. VILLA MARCO.
2. PAIOCCI MAURIZIO.
3. BENEDETTI FABIO.

Application No. 2960/Mas/97 filed on 22nd December 1997.

Convention No. M196A002737 on 24-12-96 in Italy.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for the preparation of purified L-5-(2-acetoxypionylamino)-2, 4, 6-triiodo-isophthaloyl dichloride comprising the steps of :

- (a) diluting a reaction mixture of L-2-acetoxypionyl chloride and 5-amino-2, 4, 6-triiodoisophthaloyl dichloride in N, N-dimethylacetamide with a water soluble C₄-C₆ alcohol solvent at a temperature ranging from 0—20°C,
- (b) adding the resulting solution to water at a temperature ranging from 10—20°C,
- (c) recovering purified L-5-(2-acetoxypionylamino)-2, 4, 6-triiodoisophthaloyl dichloride in solid form by filtration.

Ref. : UK 1472050, 2271990

Indian : 2958/97, 2959/97.

WO : 96/37460

Agents : M/s. De Penning & De Penning.

(Compl. Specn. : 09 Pages;

Drugs. Nil Sheet)

Ind. Cl. : 32 A 2 & 37 A.

184020

Int. Cl. : A 23 L 1/38.

A METHOD FOR PRODUCING A NUT BUTTER OR NUT SPREAD COMPOSITION.

Applicant : CPC INTERNATIONAL INC., A US CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, USA, OF P. O. BOX 3000, ENGLEWOOD CLIFFS, NEW JERSEY 07632, USA.

Inventor(s) :

1. FRANK G. LIEDE JR.
2. KENNETH F. ROWE.

Application No. : 743/Mas/1998 filed on 06th April 1998.

(Convention No 08/837, 697 on 22-4-97 in US).

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A method for producing a nut butter or nut spread composition comprising the steps of :

- (a) mixing together a nut ingredient and 0.5—2.5% by weight of stabilizing agent to make a mixture;
- (b) introducing the mixture into a mill comprising a stator and a circularly rotating rotor capable of grinding the mixture while producing centrifugal forces; and
- (c) grinding the mixture in the mill such that the particles of the mixture impact with one another and the rotor and stator, thereby forming a ground paste.

(Compl. Specn. 34 Pages;

Drugs. 5 Sheets)

Ind. Cl. : 98 F VII(2)

184021

Int. Cl.⁴ : F 16 J 15/18.

A SEALING DEVICE FOR A HEAT EXCHANGER.

Applicant : COLUMBIAN CHEMICALS COMPANY, 1600 PARKWOOD CIRCLE, SUITE 400, ATLANTA, GEORGIA 30339, UNITED STATES OF AMERICA.

Inventor(s) :

1. WALLACE GENE MURRAY.
2. JANEK SYLVESTER POROWSKI.

Application No. : 501/Cal/1995 filed on 2nd May, 1995.

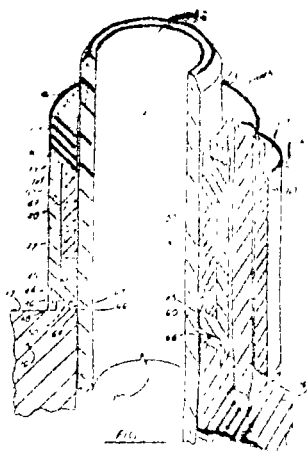
Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972), Patent Office, Calcutta.

14 Claims

A sealing device (10) for a heat exchanger, said sealing device comprising :

- (a) a heat tube sheet (15);
- (b) a plurality of heat tubes (14) extending through openings in said heat tube sheet, each heat tube having a bore through which materials flow for exchanging heat between the heat tube and the surrounding area;
- (c) each said heat tube having an outer sleeve (40) provided with a wall portion (42) spaced apart from the heat tube wall (18) and a lower foot portion (48), and defining an annular space (47) between the foot portion of the outer sleeve and the tube sheet;
- (d) resilient metallic ring means (58) positioned within said annular space (47) surrounding the heat tube and supported by the tube sheet;
- (e) force applying means (87) for applying sufficient force on the outer sleeve (40) to force said resilient ring means (58) into a primary sealing relationship with the heat tube and the tube sheet but to allow non-static expansion of the heat tube; and

(f) said outer sleeve having means to prevent the resilient ring means from being crushed by the applied force.



(Compl. Specn. 18 Pages;

Drgns. 2 Sheets)

Ind. Cl. : 40 F

184022

Int. Cl. : G 01 I 1/13.

A METHOD FOR PRODUCING A PRICE MARKER FOR GOODS FOR SALE.

Applicant : KIMBERLY-CLARK CORPORATION, 410 NORTH LAKE STREET, NEENAH, WISCONSIN 54956, UNITED STATES OF AMERICA.

Inventor(s) :

1. RONALD SINCLAIR NOHR.
2. JOHN GAVIN M. ACDONALD.
3. JEFFREY DEAN LINDSAY.

Application No. : 881/Cal/1995 filed on 31st July 1995.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule, 1972), Patent Office, Calcutta.

22 Claims

A method for producing a price marker for goods for sale comprising the steps of providing an indicia on a suitable surface to indicate the price of said goods defined by a mutable colorant composition comprising a mutable colorant such as herein described and an ultraviolet radiation transorbler such as herein described which upon irradiation with ultraviolet radiation interacts with the colorant to irreversibly mutate the colorant and thereby render the colorant substantially colorless so that the indicia become invisible and the price is erased.

(Compl. Specn. 99 Pages;

Drgns 8 Sheets)

Ind. Cl. : 50 B 3

184023

Int. Cl. : F 25 D 11/04.

A CIRCUIT CONFIGURATION FOR TRIGGERING A SWITCHING ELEMENT VIA AN ELECTROMAGNET.

Applicant : BOSCH-SIEMENS HAUSGERATE GMBH, 17, D 81669 MÜNCHEN, GERMANY.

Inventor : MR. GEORG STRAUSS

Application No. : 969/Cal/1995 filed on 17-08-95

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule 1972), Patent Office, Calcutta.

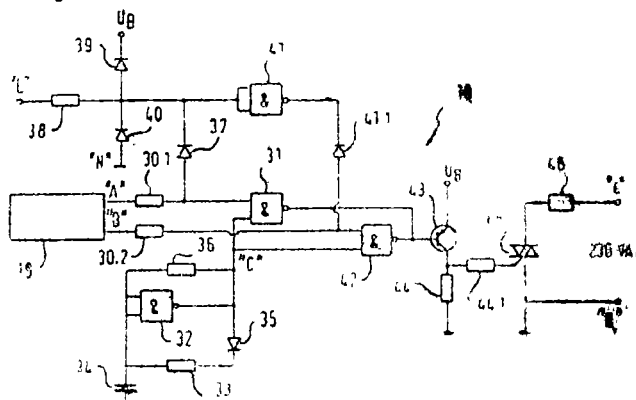
4 Claims

A circuit configuration for triggering a switching element via an electromagnet receiving a suitable targeted triggering power for switching the switching element via the electromagnet into a desired switching position in which the switching element is retained;

characterized in that.

said circuit configuration comprises semiconductor components (45) for at least briefly repeatedly acting upon the electromagnet (46) at predetermined time intervals with a triggering power corresponding to the desired switching position, after the switchover of the switching element by the electromagnet into the desired switching position (15, 17), said semiconductor components acted upon repeatedly at predetermined time intervals, in response to a single initial digital signal of one of logical "1" and logical "0", with a trigger signal serving to furnish the triggering power, after the switchover of the switching element into the desired switching position.

Fig. 2



(Compl. Specn. 13 Pages;

Drgn. 1 Sheet)

Ind. Cl. : 129 N, 129 Q.

184024

Int. Cl. : B 32 B 3-12.

METHOD FOR PRODUCING A METAL STRUCTURE AND APPARATUS THEREOF

Applicant : EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE MBH, HAUPTSTRASSE 150, 53797 LOHMAR, GERMANY.

Inventor : LUDWIG WIERES.

Application No. 1094/Cal/95 filed on 12-9-95.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

A method for producing a metal structure such as a honeycomb body, for a catalytic converter, from wound, interwined or layered sheet-metal layers, comprising the following steps :

cleaning of the structure (1) in a vacuum of a cleaning chamber (2);

transfer of the structure (1) to a process chamber (3) whereby the temperature (T) in the process chamber (3) is initially increased up to a first holding temperature (T₁), at which it is held for a period of time (H₁); after that the temperature reaches a second holding temperature (T₂) and is held at that temperature for a period of time

(H₂); next, the temperature (T) is raised up to the joining temperature (T_v) and held for a period of time (H_v), and then the temperature (T_a) is lowered;

carrying out a process for metallic joining of the sheet-metal layers, with or without additives, in a vacuum;

transfer of the structure (1) to a cooling chamber (4);

cooling of the structure (1) in a vacuum in the cooling chamber (4) to a predetermined temperature.

(Compl. Specn. 20 pages;

Drgns. 2 sheets.)

Ind. Cl. : 136 C.

154025

Int. Cl.⁴ : B 29 C 47/02.

DEVICE FOR EXTRUDING A POLYMER FRAME ON-TO A PLATE-SHAPED OBJECT.

Applicant : SAINT-GOBAIN VITRAGE, "LES MIROIRS"
18, AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventors :

1. CORNILS, GERD.
2. JOERIS, HERBERT.
3. KOTTE, DR. ROLF.
4. SCHOLL, HEINZ.

Application No. 1233/Cal/95 filed on 13-10-95.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

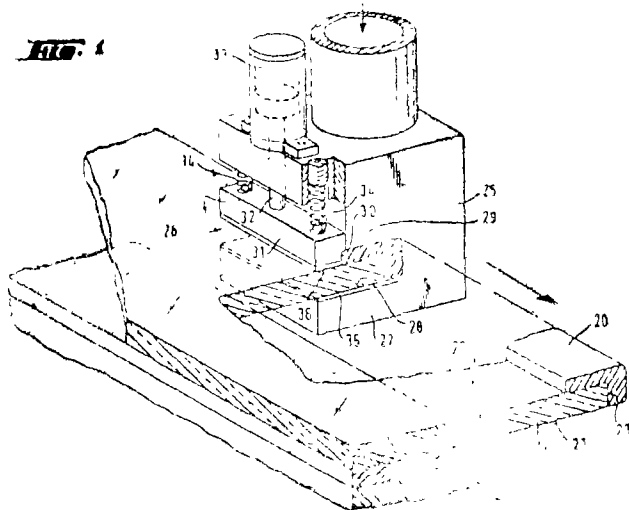
34 Claims

An apparatus for producing a shaped polymer frame on a plate having top and bottom main surface and a peripheral edge, which comprises :

an extrusion die having a body which defines a plate-receiving recess for receiving the edge of the plate and portions of the main surfaces adjacent thereto;

a first sealing ledge which is movable between (1) a retracted position which allows entry of the plate edge into the recess and (2) an engaged position in contact with one of the main surfaces of the plate, wherein an open area is defined between the die body, sealing ledge and the plate in the shape of the polymer frame; and

means for moving the plate relative to the extrusion die, where the moving means advances the edge of the plate through the recess to receive the shaped polymer frame on the edge and one of the main surface of the plate.



(Compl. Specn. 23 Pages;

Drgns. 6 sheets)

Ind. Cl. : 110

184026

Int. Cl. : D 04 B 9/06.

A CIRCULAR KNITTING MACHINE FOR PRODUCING CUT PILE FABRIC.

Applicant : PAI LUNG MACHINERY MILL CO. LTD.
NO. 22, LANE 21, SAN-CHUNG RD, NAN-KANG DIST,
TAIPEI: TAIWAN, REPUBLIC OF CHINA.

Inventor : YEH, TZU-PIN.

Application No. 1256/Cal/95 filed on 17-10-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

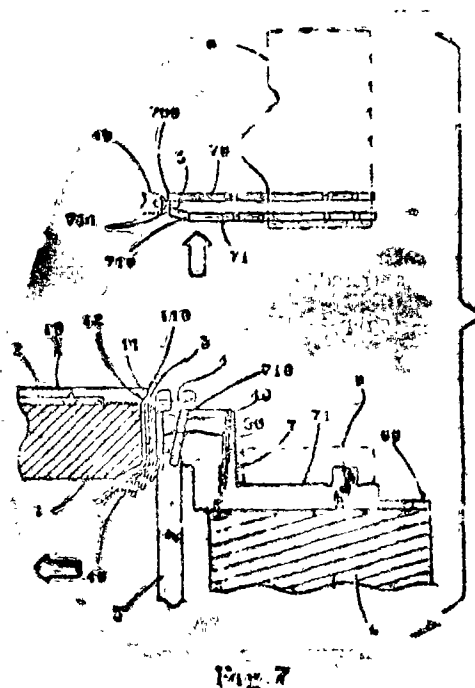
A circular knitting machine for producing cut pile fabric, comprising a dial (1) having a plurality of radial grooves (10); a cam ;

a plurality of dial needles (2) connected to said cam for being reciprocated horizontally in the radial dial grooves (10) on said dial;

a plurality of cylinder needles (5) reciprocated vertically to act with said dial needles (2) to make yarns into loops (40); and a loop cutting mechanism movable to cut said loops, characterised in that;

each cylinder needle (5) has a cut (50) comprising a plain front side (500) having two opposite symmetrical edges (501, 501') disposed at right angles to the front side;

said loop cutting mechanism comprises a plurality of pairs of sinkers each pair of sinkers comprising a first sinker (70) and a second sinker (71) reciprocated horizontally along two opposite sides of each cylinder needle, said first and second sinkers each having a respective front sloping end (700, 710) sloping outwardly in a downward direction, the front sloping end (700) of said first sinker having a smooth surface movable along one side of the respective cylinder needle as the cylinder needle is lifted, the front sloping end (710) of said second sinker (71) being laterally bent into a plain edge (711) facing said first sinker (70) and disposed adjacent to the front side (500) of the cut (50) on the respective cylinder needle, (5) to cut the loop when the respective cylinder needle is lifted.



(Compl. Specn. 14 Pages;

Drgns. 7 Sheets)

Ind. Cl. : 146 D-2

184027

Int. Cl. : G 03 B 21/132

TITLING ANGLE ADJUSTING DEVICE FOR A USE IN A PROJECTOR.

Applicant : DAEWOO ELECTRONICS CO. LTD., 541, 5-GA, NAMDAEMOON-RO, JUNG-GU, SEOUL, REPUBLIC OF KOREA.

Inventor : SONG CHAE.

Application No. : 1277/Cal/95 filed on 20-10-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta

3 Claims

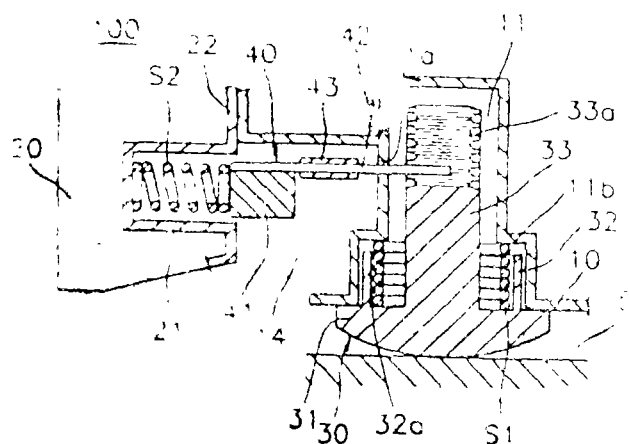
A titling angle adjusting device for use in a projector, the projector including a panel (20) having an inner wall (22) with a concavity (21) formed thereon and a bottom portion (10) provided with an opening (14) and a stepped concavity (11) formed on the bottom portion, the stepped concavity (11) having a slot (11a) and a stepped portion (11b), the titling angle adjusting device (100) comprising :

a leg (30) provided with a supporting portion 31 having a round bottom surface, a guide portion (32) with a guide groove (32a) and a supporting shaft (33) protruding upward from the supporting portion (31) along the guide groove (32a) and having a plurality of circumferential supporting grooves (33a), each of the grooves (33a) being spaced apart at a regular interval;

an adjusting member (40) including a lug (41) having an end slidably mounted into the concavity (21) of the panel (20), a supporting piece (42) passing through the slot (11a) on the stepped concavity (11) and being optionally inserted into one of the supporting piece (42); and

a first and a second compressive springs S_1 and S_2 wherein the first compressive spring S_1 is provided with in the guide groove (32a) of the guide portion (32) and is interposed between the stepped portion (11b) of the stepped concavity (11) and the supporting portion (31) of the leg (30), thereby pressing the leg (30) downward, and the second compressive spring (S_2) is provided into the concavity (21) of the panel (20), thereby pressing said end of the lug (41).

FIG. 2



(Compl. Specn. 13 pages.

Drgms. 5 sheets).

Ind. Cl. : 186 B

184028

Int. Cl. : H 03 M-7/30

APPARATUS FOR ENCODING A DIGITAL AUDIO SIGNAL.

Applicant : DAEWOO ELECTRONICS CO. LTD., 541, 5-GA, NAMDAEMOON-RO, JUNG-GU, SEOUL, REPUBLIC OF KOREA.

Inventor : DOON-KEON AWON

Application No. : 1382/Cal/1995 filed on 03-11-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

An apparatus for adaptively encoding a digitally sampled audio signal including a plurality of frames, which comprises :

a subband filtering block (110) for dividing the frequency band of the digital audio signal into a number of P subbands, wherein said P is an integer larger than 1 and the bandwidths of said subbands substantially correspond to bandwidths which are critical to a human auditory system.

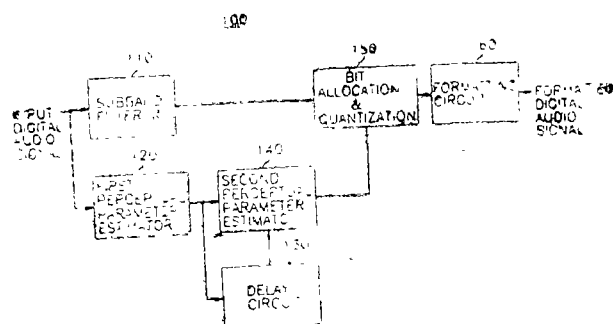
a first perceptual parameter estimator (120) for estimating first signal-to-mask ratios for the respective subbands in response to the digital signal samples in each subband included in the i-th frame of the digital audio signal, said i being a frame index;

a delay circuit (130) for storing the first signal-to-mask ratios for the i-th frame for a predetermined time period and generating delayed signal-to-mask ratios for the (i-1) st frame prestored therein synchronized with the first signal-to-mask ratios;

a second perceptual parameter estimator (140) for providing second signal-to-mask ratios based on the first signal-to-mask ratios and the delayed signal-to-mask ratios;

a bit allocation block (150) for adaptively determining bit for each of the subbands based on the second signal-to-mask ratios and for generating bit allocation information corresponding to the determined bits for each of the subbands; a quantization block (160) for quantizing the digital signal samples in each subband in response to the generated bit allocation information for each of the subbands; and

a formatting circuit (160) for formatting the quantized digital signal samples together with the generated bit allocation information.



(Compl. Specn. 12 pages

Drgms. 1 sheet).

Int. Cl. : 83 B 5

184029

Int. Cl. :

C 12 N 15/00

A 23 L 1/05

A PROCESS FOR PREPARING AN IMPROVED FROZEN FOOD PRODUCT COMPRISING A RECOMBINANT POLYPEPTIDE.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400020.

Inventors :

1. JOHN WILLIAM CHAPMAN

2. WOUTER MUSTENS

3. PIETER DIRK VAN WASSENAAR.

Application No. : 1235/Cal/96 filed on 04-07-1996

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules 1972) Patent Office, Calcutta.

2 Claims

A process for preparing an improved frozen food product, said process comprising addition of a substantially pure and isolated recombinant foodgrade polypeptide or protein with an amino acid sequence substantially corresponding to that of AFP-type III HPLC 12 to the non-improved product or to an ingredient or mixture normally used in preparing the non-improved product wherein the AFP polypeptide or protein has a recrystallisation inhibition activity greater than that of Winter Flounder type-I AFP.

(Compl. Specn. 49 pages

Drgns. 15 sheets).

Ind. Cl. : 32 F, 55 E4

184030

Int. Cl. :

C 07 D - 295/08

C 07 C - 43/295, 47 575

A 61 K - 31/445

PROCESS FOR PREPARING A NAPHTHYL COMPOUND.

Applicant : ELI LILLY & CO., LILLY CORPORATE CENTRE, CITY OF INDIANAPOLIS STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventor : ALAN DAVID PALKOWITZ.

Application No. : 78/Cal/98 filed on 15-01-1998.

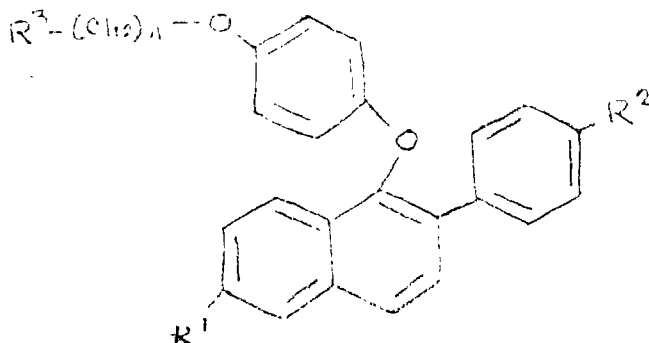
(Divided out of No. 321/Cal/96 Ante dated to 22-02-1996).

(Convention No. 08/395,950 on 28-02-1995 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a naphthyl compound of formula I.



wherein

R¹ is -H, -OH, -O(C₁-C₄ alkyl), -OCOC₆H₅, -OCO(C₁-C₆ alkyl) or -OSO₂(C₂-C₆ alkyl).

R² is -H, -OH, -O(C₁-C₄ alkyl), OCOC₆H₅, -OCO(C₁-C₆ alkyl), -OSO₂(C₂-C₆ alkyl), or halo:

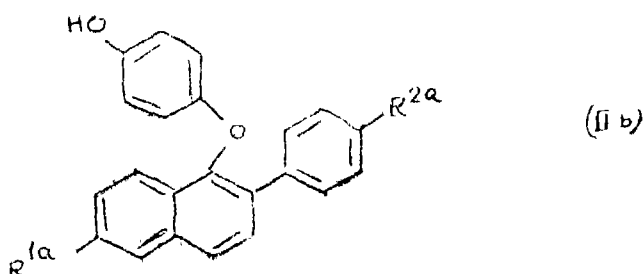
R³ is 1-piperidinyl, 1-pyrrolidinyl, methyl-1-pyrrolidinyl, dimethyl-1-pyrrolidino, 4-morpholino, dimethylamino, diethylamino, diisopropylamino, or 1-hexamethyleneimino;

and

n is 2 or 3; and

or a pharmaceutically acceptable salt thereof comprising

(a) reacting a compound of formula II b



wherein

R^{1a} is -H or -OR⁵ in which R⁵ is a hydroxy protecting group; and

R^{2a} is -H, halo, or -OR⁶ in which R⁶ is a hydroxy protecting group, with an excess of an alkylating agent of the formula



wherein Q and Q' are the same or different sulfonate or halo an alkali solution, the product of which is then reacted with: 1-piperidine, 1-pyrrolidine, methyl-1-pyrrolidine, dimethyl-1-pyrrolidine, 4-morpholine, dimethylamine, diethylamine, diisopropylamine, or 1-hexamethyleneimino;

(b) optionally removing the remaining hydroxy protecting group or groups; and

(c) optionally forming a salt of the product of step (a).

(Compl. Specn. 46 pages.

Drgn. : Nil)

Ind. Cl. : 170 A [XL III (9)].

184031

Int. Cl. : C 11 D - 11/00.

A PROCESS FOR PRODUCING GRANULAR DETERGENT/CLEANING COMPOSITION HAVING BUCC DENSITY IN THE RANGE OF 350-1100 G/L.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKWAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA

Inventors :

(1) VINODKUMAR RAMNIRANJAN DHANUKA

(2) FAKHRUDDIN ESMAIL PACHA

Application No. : 459/Bom/95 filed on 6-11-95 complete specification after provisional specification filed on 30-10-96.

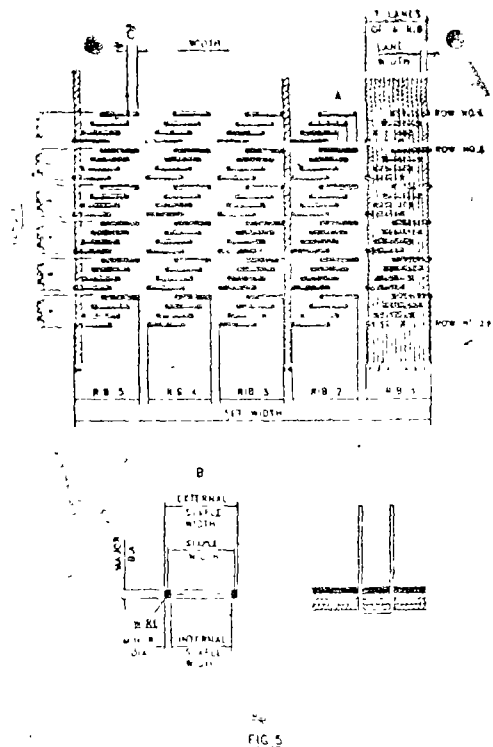
Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules 1972) Patent Office, Calcutta.

40 Claims

A process for preparing a granular detergent or cleaning composition of bulk density in the range of 350 to 1000 g/l comprising :

- (a) mixing of particulate starting material in a low or high speed mixer/granulator, adding a liquid binder comprising an anionic surfactant and/or an acid precursor of an anionic surfactant to the mixer/granulator, and subjecting the mixture to partial granulation, to produce a partially granulated mixture; and
- (b) transferring the partially granulated mixture to any one of fluid bed and rotating bowl mixer/granulator, adding the total amount of liquid binder to the mixer for a time sufficient to complete granulation to obtain the granular detergent or cleaning composition of desired bulk density.

(Compl. Specn. 28 pages)



Ind. Cl. : 172 C1 (XX)

184032

(Compl. Specn. : 13 Pages

Drngs. : 7 sheets)

Int. Cl. : D 01 G, 15/14

IMPROVED FLEXIBLE CARD CLOTHING FOR CARDING MACHINE.

Applicant : THE INDIAN CARD CLOTHING CO LTD., PIMPRI, PUNE-411 018, MAHARASHTRA STATE, INDIA.

Inventors :

- (1) MEHUL TRIDEVI
- (2) ABHAY DATTATRAYA HAJARE
- (3) SURESH SHANKAR KADU

Application No. : 465/Bom/95 filed on 9-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972). Patent Office Branch, Mumbai-13

1 Claim

Improved flexible card clothing for carding machine consists of series of blocks of rows comprising of 4 rows each in case of type IV setting and 5 rows each in case of type V setting, respectively; the said blocks of 4 rows, or 5 rows are having twill type settings of staples within themselves; the first row of trailing block is so displaced with respect to the last row of the leading block, along the width of the fillet, that the staples of first row of each block are exactly at the same distance from the longitudinal edges of the fillet; the same is also true for subsequent rows in a block; these patterns namely, type IV and type V give rise to 7 and 9 lanes within a rib, respectively i.e. give rise to more number of narrower lanes than in settings of prior art within given set-width of fillet.

6--97 GI/2000

Ind. Cl. : 128 F [XIX (1)]

184033

Int. Cl. : A 61 M 5/32.

AN IMPROVED BLOOD COLLECTION NEEDLE WITH HOLDER.

Applicant : DIJIT PROGNOSYS PVT. LTD. 1/3, JAI HANUMAN SOCIETY, PARANJPE B. SCHEME ROAD NO. 3 VILE PARLE (EAST), BOMBAY-400 057, MAHARASHTRA, INDIA.

Inventors :

- SHRI VIDYANAND MAHADEV DIVIT,
DR. DILIP SHRINIVAS VELASKAR,
DR. AJIT PURUSHOTTAM CHITPE

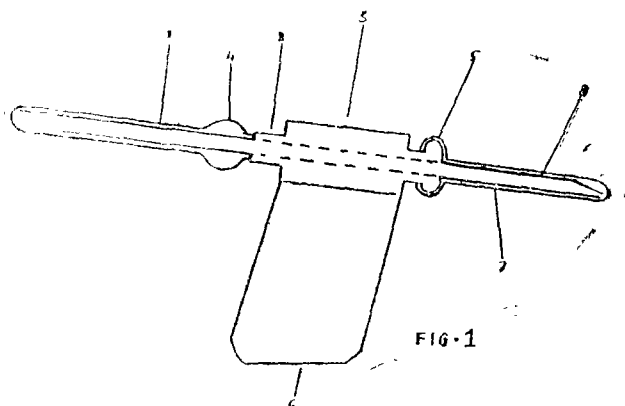
Application No. : 467/Bom/95/ filed on 9-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Mumbai-400 013.

2 Claims

An improved blood collection needle with holder, reducing chances of infection to other patients as well as avoiding contaminated blood collection consisting of a two way needle (1) having both ends pointed band in a flexible tubular needle holder (2) having housing projections (3) at the ends for the coupling of two flexible rubber tubes

(4 & 5) which are encompassing the needles of two opposing ends; the flat portion (6) is provided with an inbuilt handle (7) to hold the assembly by finger/hand.



(Compl Specn. 6 Pages;

Drawg. : 1 Sheet)

Ind. Cl. : 107 G

184034

Int. Cl. : B 04 C 5/08, 5/44, F 02 M 35/02.

CYCLONE FOR THE AIRSUCTION OF COMBUSTION ENGINE.

Applicant & Inventor :

FILTERWRK MANN + HUMMEL GMBH,
HINDENBURGST 37—45, POSTFACH 409,
71631. LUDWIGSBURG, GERMANY,
GERMAN COMPANY.

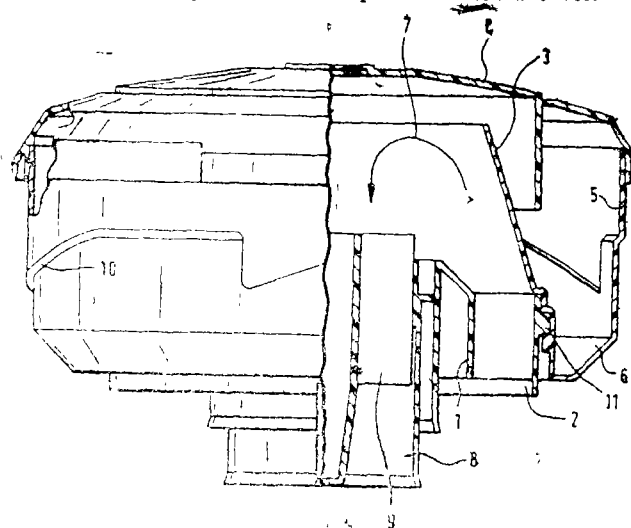
Application No. : 8/Bom/96 filed on 5-1-96.

Priority Date : 31-03-1995 Germany.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules; 1972) Patent Office Branch, Mumbai-400 013,

4 Claims

1. A cyclone for air suction of combustion engine comprising a cylindrical housing having at bottom a concentric air inlet and central air outlet; a number of guide blades are provided in the said outlet, a guide wall above the said guide blades to creat spiral shaped air flow; said central outlet having second set of guide blades extended with the said housing; around said housing a dust collecting vessel is detachably attached and provided with a cover.



(Com. Specn 5 Pages;

Drawg. 1 Sheet)

Ind. Cl. : B 01 D 35/30, F 02 M 35/02

184035

Int. Cl. : 80 I.

HOUSING ESPECIALLY FOR AN AIR FILTER OF AN INTERNAL COMBUSTION ENGINE.

Applicants :

FILTERWERK MANN + HUMMEL GMBH OF
HINDENBURGST 37—45 POSTFACH 409,
716 31 LUDWIGSBURG, GERMANY.

Inventors :

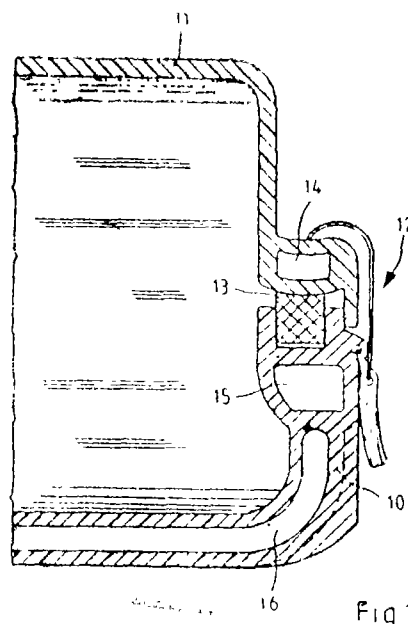
- (1) THOMAS BUTZ
- (2) RALF KALLER
- (3) GUNTHER KISSEL
- (4) VOLKER KOCH
- (5) RUDOLF LEIPELT
- (6) GERHARD WEYER
- (7) WERNER SCHNABEL.

Application No. : 76/Bom/96 filed on Feb. 7, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Mumbai-400 013.

03 Claims

1. Housing especially for an air filter for the suction air of an internal combustion machine made of synthetic material consisting of housing shell (10) and a cover (11), are fabricated out of synthetic material in a spray casting process wherein a circular sealed area is provided between the housing shell and cover for the sealing of the surrounding and wherein locking elements (12) are arranged in the sealed area for the tightening of the cover to the housing shell, is characterized by the fact that in the sealed area the housing shell (10) and/or the cover (11) is provided at least one air filters (14) running parallel to the contact surface Housing shell/cover; said air filter (14, 15, 19) consist of zig-zag form folded elements provided in the housing (10) wherein air filter separated a pure air from the raw air area and is fixedly sealed between the housing cell (10) and the cover (11) thus reducing distortion because of shrinkage.



(Compl. Specn. : 8 Pages;

Drawgs. : 2 Sheets).

Ind. Cl. : 164 C [11(3)]

184036

Int. Cl. : C 02 F 3/28.

A PROCESS AND APPARATUS FOR ANAEROBIC TREATMENT OF WASTE WATER.

Applicant :

REVA ENVIRO SYSTEMS (P) LTD.,

AN INDIAN COMPANY OF 4, SUYOG NAGAR,
RING ROAD, NAGPUR-440 015, MAHARASHTRA,
INDIA.

Inventors :

- (1) BHALCHANDRA BHASKAR BHALERAQ.
- (2) DR. RAMESH AMICHAND DARYAPURKAR.
- (3) PRASHANT PURSHOTTAM RUKMANGAD.

Application No. : 169/Bom/96 filed on 28-3-1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Mumbai-400 013.

6 Claims

A process for anaerobic treatment of waste water, comprising :

feeding the waste water to a hot sump;

supplying the waste water typically by pumping from the sump to a heat exchanger where the temperature of the waste water is adjusted at 40 degrees C by heating or cooling;

feeding the temperature controlled waste water to the feed tank of a reactor tank;

distributing the contents of the feed tank via a plurality of distribution pipes and a nozzle into the reactor tank containing media in the form of a plurality of synthetic polymeric sheets on which organic material digesting bacteria are colonised and allowing the waste water to flow downwards along the surfaces of the media in intimate contact with the bacteria for digestion of the organic material present in the waste water and for the generation of methane gas;

applying suction at the base of the reactor tank to draw the waste water through the media;

collecting the waste water treated through the reactor tank received at the base and recirculating the treated waste water to the feed tank in which the treated waste water is mixed with the untreated waste water received in the feed tank in a proportion of least treated waste water : untreated waste water : 20 : 1;

collecting methane gas formed in the reactor tank in the upper portion of the reactor tank and removing the gas collected for further use;

removing the treated waste water at the base of the reactor tank via an over flow weir.

(Compl. Specn. : 13 Pages; Drawings : 5 Sheets).

Ind. Cl. : 182 C; Gr. (XVII)

184037

Int. Cl. : C13 G-1/00.

AN IMPROVED DUPLEX EVAPORATOR.

Applicant & Inventor :

DR. BIRAJA BILASH PAUL.

B. B. CONSULTING 'N' ENGINEERING PVT. LTD.,
CHAPSEY TERRACE, 3RD FLOOR,
30, ALTAMOUNT ROAD, MUMBAI-400 026.
MAHARASHTRA, INDIA
AN INDIAN NATIONAL.

Patent Application No. : 208/Bom/96 Filed on 15-04-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Mumbai-400 013.

02 Claims

1. An improved duplex evaporator consisting of two concentric calendrias placed above the other interconnected through the exhaust steam flow line and juice flow line; a centrifuge catchall at the top for passing vapours from both the calendrias at an optimal velocity to reduce friction loss and pressure drop; the said bottom calendria connected to top calendria in series through exhaust steam connection after sweeping the bottom calendria which acts a total condensing system; interconnecting juice line showing the thin juice entering first into the top calendria and after partial evaporation it flows to the bottom calendria which takes care of the rise in viscosity in the juice which emerges from the top calendria and at the same time the heat transfer co-efficient of the bottom calendria is enhanced due to sweeping of calendria; feed rate of thin juice of duplex calendria is controlled by a level regulator in the primary calendria the two calendria are synchronised in such a way that the hydrostatic level of the juice in the primary calendria never exceeds 1/3 of the level of the tube height; the temperature of the desuperheated steam entering the primary calendria is maintained at $120^{\circ}\text{C} \pm 2^{\circ}\text{C}$ by controlling the water injection in superheated exhaust line/online desuperheater; said exhaust stream enters the bottom of the primary calendria and it distributes to the entire heating surface radially and in equal magnitude, thus it sweeps the entire heating surface and bled through periphery which is connected to the duplex calendria steam inlet for recycling after preheating thereby reducing heat energy required, floor space required, with higher evaporation rate, better quality of end product with minimum wear and the tear of machinery, better capacity utilization with higher efficiency.

(Complete Specification : 13 Pages; Drawings : 6 Sheets).

Ind. Cl. : 185 B (XVIII)

184038

Int. Cl. : A 23 F 3/18.

A METHOD OF MAKING A TEA COMPOSITION.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA.

Inventors :

- (1) IAN NOBLE
- (2) JEFFERY BRYN RICHARDS.

Application No. 325/Bom/97 filed on 28-5-97

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

12 Claims

1. A method of making a tea composition, comprising treating an aqueous infusion of black tea that contains cold water soluble black tea solids but is substantially free of cold water insoluble black tea solids, with an oxidising agent in a reaction vessel at a temperature and pressure in excess of the ambient temperature and pressure.

(Compl. Specn. 13 pages)

Drg. Nil)

Ind. Cl. : 179, 125 B 3.

184039

Int. Cl. : B 65 D 25/00, 35/24, B 67 D 5/00.

A REFILL CARTRIDGE FOR A MULTI CAVITY DISPENSER.

Applicant : HINDUSTAN LEVER LTD., 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :

JAMES LOUIS GENTILE,
LEWIS P. CANCRO,
DAVID ROBERT WILLIAMS.

Application No. 329/Bom/1997 filed on May 29, 1997.

Divisional to Application No. 437/Bom/93 filed on 2nd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

6 Claims

A refill cartridge (100) for use with a refillable multi-cavity dispenser for the coextrusion of least two flowable material comprising :

Two hollow and separate parallel inner refill cylinders (111, 112) for being telescopically and sealingly accommodated within parallel outer dispenser cylinders of a reusable dispensing head (1) each inner refill cylinders (111, 112) containing one of the flowable materials, the inner refill cylinders (111, 112,) each having an open top end and a bottom end (42) telescopically and slidably accommodating a piston head (4) which conforms to ride sealingly along the interior walls of the inner cylinders (111, 112) so as to force walls of the inner refill cylinders (111, 112), so as to force the flowable material to flow towards the top end of the inner refill cylinders (111, 112) upon relative compression of the inner refill cylinders (111, 112) and piston heads (4), the piston heads (4) being compressibly engagable with piston rods (8) of a reusable base unit (2); and

sealing means (120) for temporarily sealing the first end of the inner refill cylinders (111, 112); and

Orientating means (140, 141) for allowing each inner refill cylinder (111, 112, 113, 114) to be telescopically accommodated by one of the outer dispensing cylinders of a dispensing head (1) and not by the other; and

pull tab means (142, 144) extending below the bottom (42) ends of the inner refill cylinders (111, 112) and coupled to the inner refill cylinders (111, 112) for providing a surface (142, 144) to grasp when the refill cartridge (111, 112, 113, 114) is being removed from the dispensing head (1).

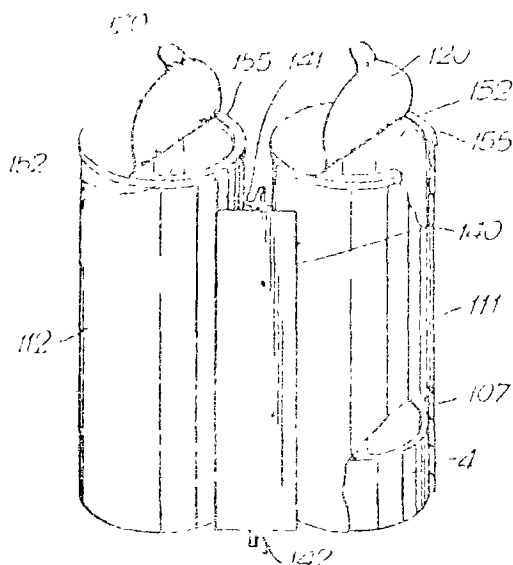


FIG 3

Compl. specn. 25 pages;

Drgs 9 sheets

Ind. Cl. : 83 [XIV(5)] A-2, B1-1

184040

Int. Cl. : C 12 N 15/00, A 23 G 9/02.

A PROCESS FOR THE PRODUCTION OF A FROZEN CONFECTIONERY WITH ANTI-FREEZE PROTEIN.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA.

Inventors :

(1) RICHARD ANTHONY FENN
(2) DAVID NEEDHAM
(3) KEITH SMALLWOOD.

Application No. 431/Bom/97, date 21-7-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

5 Claims

1. A Process for the production of a frozen confectionery product comprising AFP, wherein a pre-mix of the frozen confectionery product is prepared and frozen, the pre-mix containing one or more AFP, the AFP being selected such that the ice-crystals in the frozen confectionery product have an aspect ratio of more than 1.9.

Compl. Specn. 21 pages;

Drgs. Nil

Ind. Cl. : 172 F

184041

Int. Cl. : F 24 F 3/00.

A METHOD AND APPARATUS FOR MANUFACTURING YARN BY PROCESSING FIBRES.

Applicant : ZELLWEGER USTER INC., 456 TREY CIRCLE, KNOXVILLE, TN 37950-1270, USA A US CORPORATION.

Inventors :

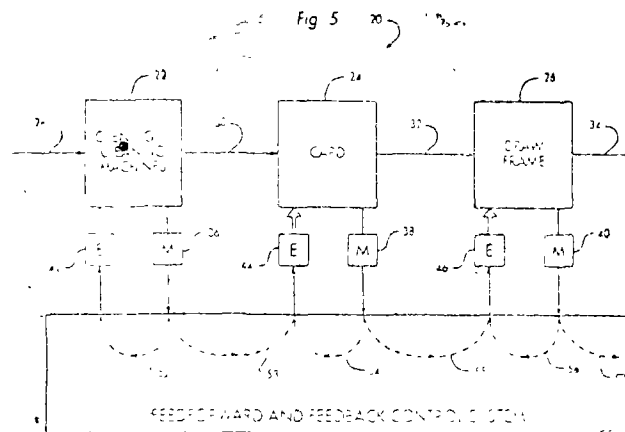
(1) FREDERICK, M SHORNER,
(2) MARK G, TOWNES MGT.

Application No. 801/Mas/93 filed on 10th Nov. 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

Method for manufacturing yarn by processing fibers in a plurality of processing stage (22, 24, 26) comprising sensing at least one parameter in each stage, generating a feedback signal (52, 54, 56) responsive to the at least one parameter and providing it to a feedback control system (50), characterised by determining the properties of a gas flow needed to maintain the at least one parameter at a predetermined level in the respective processing stage and generating a gas flow properties signal in response to the determination, providing the gas flow properties signal to a gas flow conditioner (42, 44, 46), controlling the properties of the gas flow in response to the gas flow properties signal, supplying the gas flow from the conditioner to the processing stage, and processing the fibers for atleast one of the properties selected.



Compl. Specn. 33 pages

Drgs 10 sheets

Ind. Cl.: 172 C9

184042

13 Claims

Int. Cl.: D 01 G 9/00, 15/00, D 01 B 3/00.

AN APPARATUS FOR MONITORING AND CONTROLLING THE PROCESS OF MANUFACTURING A WEB OF TEXTILE MATERIAL IN A TEXTILE MILL.

Applicant: ZELLWEGER USTER, INC., 456 TORY CIRCLE, KNOXVILLE, TN 37950-1270, USA A US CORPORATION.

Inventors:

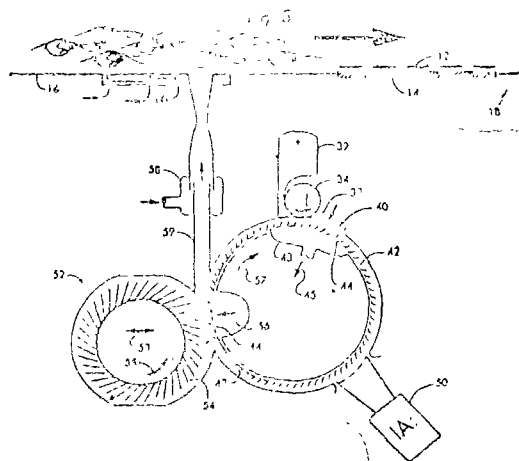
1. FREDERICK M. SHOFNER
2. JOSEPH C. BALDWIN
3. GORDON F. WILLIAMS
4. MARK G. TOWNES.

Application No. 802/Mas/93 filed on 10th Nov. 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

An apparatus for monitoring and controlling the process of manufacturing a web (320) of textile material in a textile mill, said web having a plurality of entities such as fibres, nepa, trash particles, said apparatus comprising: monitoring means (50) for monitoring the web of textile materials and producing a monitor signal containing information corresponding to the content of the web, said information having the location of the entities (356, 418) in the web, and excluders (330, 400) positioned downstreams of said monitoring means for selectively excluding the entities from the web, characterised by said excluders (300, 400) being ejectors located for creating a blast driven air flow and a suction driven air flow in an exclusion zone (350) and said excluder being associated to supporting means (330, 332) for supporting said web of textile material.



(Compl. Specn. 42 pages)

Drgs. 21 sheets)

Ind. Cl.: 172 C5, C9

184043

Int. Cl.: B 65 H 49/00, 51/00.

AN APPARATUS FOR MONITORING ENTRIES IN A WEB OF TEXTILE MATERIAL.

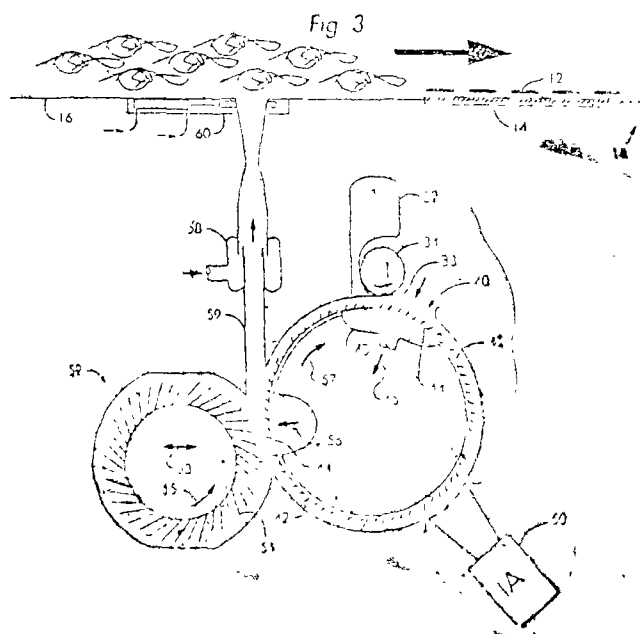
Applicant: ZELLWEGER USTER, INC., 456 TORY CIRCLE, KNOXVILLE, TN 37922, USA. A US CORPORATION.

Inventors: 1. FREDERICK M. SHOFNER; 2. JOSEPH C. BALDWIN.

Application No. 803/Mas/93 filed on 10th November 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

An apparatus for monitoring entities in a web of textile material, comprising a source (68, 70, 136, 138) for illuminating the web with radiation (62, 134), an imaging unit (50, 130, 132) for receiving radiation from said web and producing image signals in response thereto, said web and producing image signals in response thereto, said image signals corresponding to images of said web having said entities, said web being in motion relative to said imaging unit, said imaging unit being located for repeatedly scanning at least one strips across the web in a direction substantially perpendicular to the direction of relative motion of said web, and processing means (144) for receiving said image signals from said imaging units for producing digital data corresponding to the image signals received from said imaging unit, characterized in that said imaging unit further comprises a spatial mark (156) for producing a plurality of optical images (150) of the same portion of the web from the received radiation, each of said optical images being distinguished one from the others by the spectral content of the images, and said processing means comprising an image processor (164) and a storage unit (165) for producing a plurality of digital data representation corresponding to the plurality of optical images.



(Comp. Specn. 43 pages!)

Drgs. 20 sheets.)

Ind. Cl.: 172 C5, C9.

184044

Int. Cl.: B 65 H 51/00.

A NEEDLE-BASED APPARATUS FOR INDIVIDUALIZING SINGLE FIBRES AND OTHER TEXTILE SAMPLE ENTITIES.

Applicant: ZELLWEGER USTER, INC., 456 TORY CIRCLE, KNOXVILLE, TN 37950-1270, USA. A US CORPORATION.

Inventors:

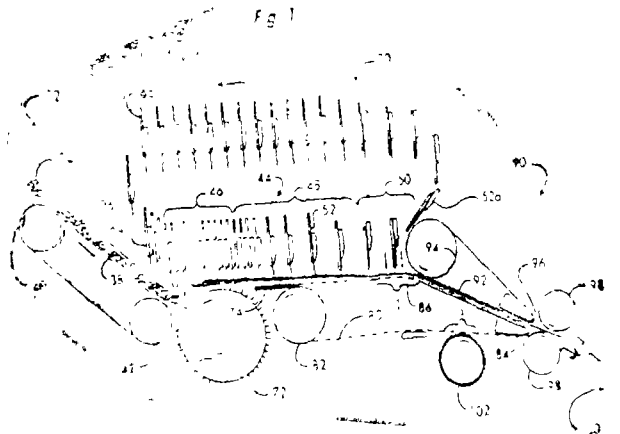
1. FREDERICK M. SHOFNER
2. MARK G. TOWNES.
3. GORDON F. WILLIAMS.

Application No. 805/Mas/93 filed on 10th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

A needle-based apparatus for individualizing single fibers and other textile sample entities, comprising a pin drafting machine having an in and an output, and a plurality of combing elements located to pierce a fiber mat presented to said input and to move in a direction from input to output with increasing distance between adjacent combing elements to transport, disentangle and draft the fiber mat; and an entity individualizer located to receive the fiber mat from said pin drafting machine and to individualize the fibers and other entities for testing purposes.



(Compl. Specn. : 32 pages;

Drgns. : 21 sheets)

Ind. Cl. : 172 C5, C9.

184045

Int. Cl.⁴ : D 01 G 9/00, B 65 H 49/00, 51/00.

AN APPARATUS FOR SENSING CHARACTERISTICS OF LENGTHY PARTICLES CARRIED IN AN AIR FLOW.

Applicant : ZELLWEGER USTER, INC., 456 TROY CIRCLE, KNOXVILLE, TN 37950-1270, USA, A US CORPORATION.

Inventors :

1. FREDERICK M. SHOFNER
2. JOSEPH C. BALDWIN
3. MICHAEL E. GALYON
4. MASOOD A. KHAN

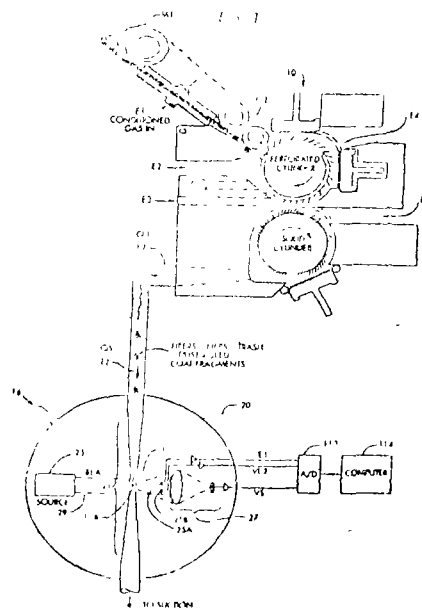
Application No. 806/Mas/93 filed on 10th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

An apparatus for sensing characteristics of lengthy particles carried in an air flow, comprising : air flow adjustment means (30) for receiving the particles in the air flow, a space (116) located adjacent to a sensor (20), particle presentation means (21) for receiving the particles in the air flow and presenting the particles in said space, the sensor (20) being located adjacent said space (116) for sensing the particles in said space and to produce a sensor signal corresponding to characteristics of the sensed particles and a computer (114) for receiving and analyzing said sensor signal to produce output representing characteristics of the sensed particles, characterised by airflow adjustment means (30) for outputting particles in a second air flow, said air flow having predetermined desired characteristics, a nozzle connected to said air flow adjustment means (30) for receiving the particles in the second air flow, presenting a first portion of the particles in said space (116) in a delooped physical condition and a second portion of the particles in a relatively looped physical condition, said

nozzle operating on said particles to increase the proportion of particles in a delooped physical condition in said space (116) as compared to the particles in the second air flow in the output of said air flow adjustment means.



(Compl. Specn. : 39 pages;

Drgns. : 17 sheets)

Ind. Cl. : 167 C1, 172 C9.

184046

Int. Cl.⁴ : B 65 H 7/00.

AN APPARATUS FOR MEASURING CHARACTERISTICS OF ENTITIES IN A SAMPLE OF TEXTILE MATERIAL, INCLUDING AT LEAST NEPS.

Applicant : ZELLWEGER USTER, INC., 456 TROY CIRCLE, KNOXVILLE, TN 37950-1270, USA (A US CORPORATION).

Inventors :

1. FREDERICK M. SHOFNER
2. JOSEPH C. BALDWIN
3. MICHAEL E. GALYON
4. YOUNG-TCHUO

Application No. 807/Mas/93 filed on 10th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

An apparatus for measuring characteristics of entities in a sample of textile material, including at least neps, comprising : supply means for supplying a sample of textile material; processor means with a processor input for said sample and a processor output for releasing individualized entities of said sample; sensor means for sensing at least one characteristic of a portion of the entities; transport means for transporting individualized entities of said sample to

said sensor; analysis means for receiving and analyzing characteristic signals from said sensor means; and sub-analysis means for further classifying the characteristic signals as corresponding to one of several types of nep.

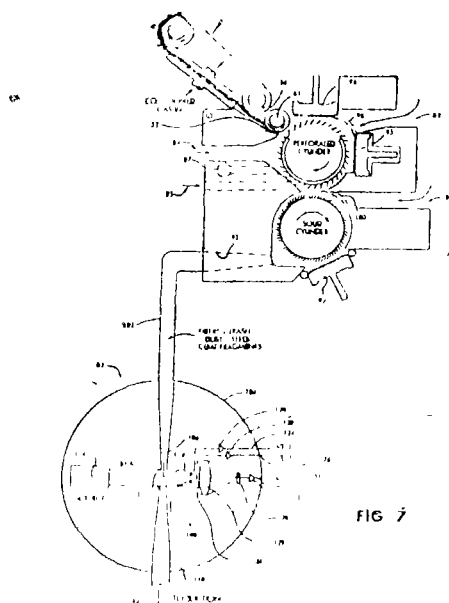


FIG 7

(Compl. Specn. : 44 pages;

Drgns. : 22 sheets)

Ind. Cl. : 172 C9.

184047

Int. Cl.⁴ : D 01 G 5/00, 9/00

AN APPARATUS FOR MEASURING CHARACTERISTICS OF ENTITIES IN A SAMPLE OF TEXTILE MATERIAL CONTAINING AT LEAST TRASH.

Applicant : ZELLWEGER USTER, INC., 456 TROY CIRCLE, KNOXVILLE, TN 37950-1270, USA, A US CORPORATION.

Inventors :

1. FREDERICK MICHAEL SHOENER
2. MICHAEL EDWARD GALYON
3. JOSEPH CLAYTON BALDWIN
4. YOUNG-TSYR CHUO

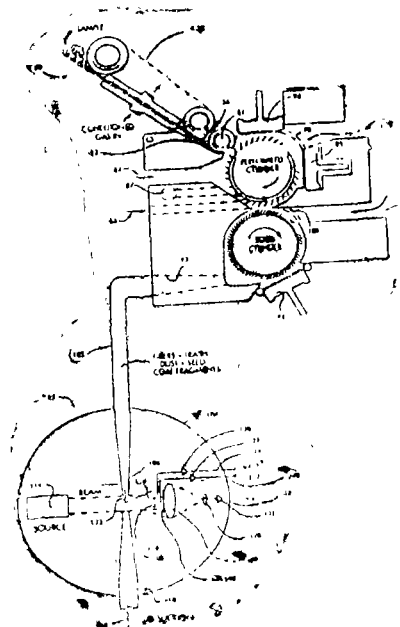
Application No. 808/Mas/93 filed on 10th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

An apparatus for measuring characteristics of entities in a sample of textile material containing at least trash, said apparatus comprising supply means (16) for supplying a sample of textile material, a processor (80) for individualizing entities composing the sample, having a processor input and a processor output (92), optical sensor means (82), a transport (102) for transporting individualized ones of said entities to said sensor means, analysis means (18) for receiving said characteristics signals, analyzing said characteristics signals to identify signals that correspond to entities of the sample, said analysis means comprising sub-analysis means for analyzing said characteristic signals that correspond to trash and further analyzing said signals to classify said signals as corresponding to one of several types of trash, characterised in that said analysis means further comprises speed determining means (161) for determining the speed of an entity sensed by said sensor means by analyzing the characteristic signals, comparing means for comparing the speed to a threshold and classifying means for classifying the entity as to one of several types of trash based in part on the comparison of the speed to the threshold and wherein

said classifying means for classifying are operable for classifying an entity as to one of several types of trash based in part on the comparison of the speed to the threshold.



(Compl. Specn. : 42 pages;

Drgns. : 22 sheets)

Ind. Cl. : 144 E4

184048

Int. Cl.⁴ : C 09 D 5/00

A POWDER PAINT.

Applicant :

DSM N. V.,

A NETHERLANDS COMPANY, HET OVERLOON 1, 6411 TE HEERLEN, THE NETHERLANDS.

Inventors :

1. ADRIANUS JOHANNES VAN DE WERFF
2. LEENDERT JAN MOLHOEK
3. MARTEN HOUWELING
4. ROBERT VAN DEN BERG JETHS
5. DIRK ARMAND WIM STANSSENS
6. ROBERT VAN DER LINDE
7. TOSKO ALEXANDER MISEV.

Application No. 810/MAS/93 filed on 11th November 1993.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A powder paint comprising a binder composition for thermosetting powder paints, known pigments, curing agents and catalysts, wherein the said binder composition comprises a polymer containing carboxyl, epoxy, anhydride, hydroxyl, acetocetonate, phosphoric acid, phosphorous acid and thiol groups or combinations thereof as functional groups, and a cross linker containing epoxy groups, the said cross linker having at least one C5 to C26 linear or branched aliphatic chain bearing aliphatic oxirane type epoxy groups located in long aliphatic carbon chains attached to a central group by an ester, amide or urethane bond and has epoxy function greater than 1.

(Comp. Secn. 65 Pages ;

Drg nil sheet).

Ind. Cl. : 189

184049

Int. Cl. : A 45 D 24/00

A COMB

Applicant :

HONG-YUAN CHEN, TAIWANESE ROOM 1, 4th FLOOR, NO 10, ALLEY 152, SECTION 2, MING-CHUAN EAST ROAD, TAIPEI, TAIWAN

Inventors :

(1) HONG-YUAN CHEN,

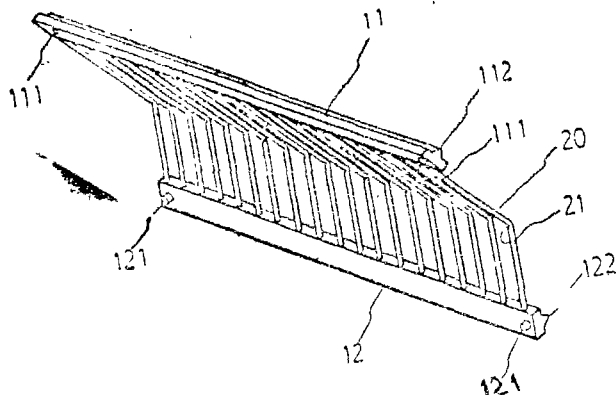
Application No. : 814/MAS/93 filed on 12th Nov' 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch

08 Claims

A comp comprising a spine having a left member and a right member; and

A plurality of line member connected between said left member and said right member, each line member being provided with an indentation at an intermediate portion; wherein said left member is detachably fixed to said right member, said plurality of line members being bent at the respective intermediate portion to form a plurality of parallel teeth.



(Comp. Specn : 12 pages)

Drgs : 9 Sheets).

Ind. Cl. : 160 C

184050

Int. Cl. : B 60 R 16/00

A RELEASABLE TRACTOR-TRAILER ELECTRICAL SIGNAL TRANSMISSION LINKAGE.

Applicant :

QUALCOMM INCORPORATED, A CORPORATION INCORPORATED UNDER THE STATE OF DELAWARE, USA, 1055 SORRENTO VALLEY ROAD, SAN DIEGO, CALIFORNIA 92121-1617, U.S.A

Inventor :

(1) PHILIP C. JENQUIN,

Application No. 817/MAS/93 filed on 15th November 1993.

Appropriate office for Opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch

4 Claims

A releasable tractor-trailer electrical signal transmission linkage, comprising at least one air brake hose having tractor coupling means at one end for coupling the hose to a

tractor air brake outlet and releasable trailer coupling means at the opposite end for releasable coupling the hose to a trailer air brake inlet; a conductive line extending along the length of the air brake hose and having a first end at the tractor coupling means and a second end at the trailer coupling means; insulating means at opposite ends of the hose for electrically isolating the opposite ends of the conductive line from the tractor air brake outlet and the trailer air brake inlet; a connecting line connected to the first end of the conductive line and extending into the tractor, for connecting an electronic communications unit in the tractor to the conductive line and electrical connecting means for connecting the second end of the conductive line to an electronic signal transmitting unit on the trailer.

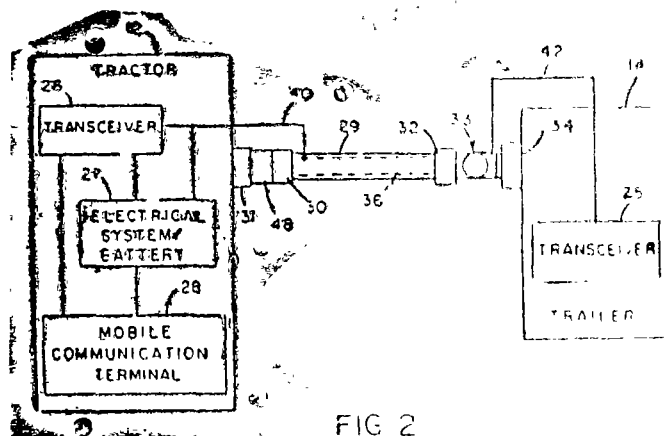


FIG 2

(Comp. Specn : 17 pages :

Drgs : 2 Sheets).

Ind. Cl. 170 A+B

184051

Int. Cl. : C 11 D 1/68, 3/16.

A FABRIC WASHING DETERGENT COMPOSITION.

Applicant :

HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE,
165/166 BACKBAY RECLAMATION,
BOMBAY-400 020, MAHARASHTRA,
INDIA.

Inventor :

(1) PETER ROBERT GARRETT
(2) DENNIS GILES.

Application No. 132/BOM/95 DT. 29-3-95 U K PRIORITY DATE 31-3-94 & 15-7-94.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

16 Claims

A fabric washing detergent composition comprising :

- (i) from 2 to 40 wt% of an organic surfactant system,
- (ii) from 0.5 to 25 wt% of a non-aqueous solvent,
- (iii) from 0.1 to 5 wt% of water-soluble polymeric detergency builder,
- (iv) water and optional minor ingredients to 100 wt%.

wherein the surfactant system (i) and the non-aqueous solvent (ii) together with water form a stable oil-in-water microemulsion.

Complete specification 19 pages :

Drawings : Nil).

Ind. Cl. : 76

184052

Int. Cl. : E 05 C—1/06, E 05 C—21/02

AN IMPROVED ANCHORING MEANS FOR SECURELY CLOSING A DOOR.

Applicants & Inventor : SHEKHAR ATMARAM SOMAN & VIDHYADHAR DAMODAR KULKARNI, 92 MARKETYARD, PUNE 411037, MAHARASHTRA, INDIA.

Application No. : 149/Bom/1995 filed on March 30, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400013.

02 Claims

An improved anchoring means for securely closing the door comprising multi lobed actuating plate having upper, lower and side lobes, mounted with the help of a center bolt on a base plate adapted to be fixed or attached to the door panel; the said base plate provided with sliding strips, at upper and lower side of said bolt, capable of sliding with the help of pivot in a horizontal slot; said upper side strip provided with a rod at the right hand side and pivoted to the said upper lobe and the said lower side strip provided with a rod at left hand side and pivoted to the lower lobe; said side lobes provided with pivoted and guided rods at left and right sides respectively; and with arrangement such that when the said multi lobed actuator rotated with the help of a handle fixed to the said center bolt the four rods are capable of moving in desired direction to enter into the recesses provided in the door.

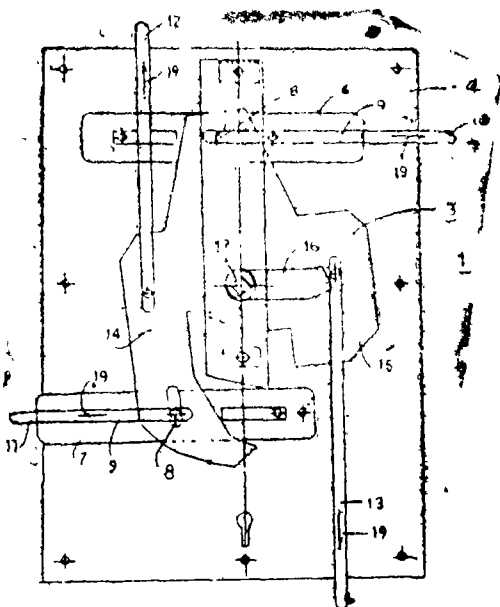


FIG. 1

(Comp. Specn. : 4 pages;

Drgs. : 2 sheets)

Ind. Cl. : 76 H[LXIV(4)]

184053

Int. Cl. : D 21 H, 5/10

SECURITY THREADS HAVING AT LEAST TWO SECURITY DETECTION MEANS AND SECURITY PAPERS/DOCUMENTS HAVING THE SECURITY THREAD/THREADS AT LEAST PARTIALLY EMBEDDED THEREIN OR MOUNTED THEREON.

Applicants : CRANE & CO. INC., OF 30 SOUTH STREET, DALTON, MASSACHUSETTS, 01126, UNITED STATES OF AMERICA.

7—97 GI/2000

Inventors : TIMOTHY T. CRANE.

Application No. : 158/Bom/95 date 4-4-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400013.

10 Claims

1. A Security thread having at least two security detection means, suitable for at least partial incorporation in and for use on a security document or means for identification, which comprises: a plastic thread having a width and at least and at least two security detection means located thereon, wherein a first security detection means is a machine-readable security feature which comprises a repeating pattern, wherein said pattern comprises at least one metal region and at least one electrically isolating region, in alternating sequence, wherein said metal region(s) and said electrically isolating region(s) extend across the entire width of said plastic thread, and wherein a second security detection feature comprises metal-formed indicia.

(Compl. Specn. : 19 Pages;

Drgns. : 1 Sheet)

Ind. Cl. : A 47 J, 39/00

184054

Int. Cl. : 49E

A COOKING GAS FUEL SAVING DEVICE.

Applicants & Inventor : RAGHUVIR SINGH HADA, GULABGARH, 40, SETHI NAGAR, UJJAIN, M.P.

Application No. : 261/Bom/1995 filed June 9, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400013.

05 Claims

1. A cooking gas/fuel saving device comprising of a main heating chamber and an auxiliary heating chamber interconnected through a duct, each of the said chambers consisting of a base plate and an annular housing having inwardly slanting walls forming a depression at its top end, the top periphery being countoured to closely support the cooking vessel, the base plate of the main heating chamber provided with an opening for accommodating therein a live burner of the gas stove, and the slanting walls preferably provided with a plurality of slots, and the auxiliary heating chamber provided with an exits connected to a chimney.

(Compl. Specn. : 9 Pages;

Drgns. : 4 Sheets)

Ind. Cl. : 107 G [XLVI]

184055

134 A [LII]

Int. Cl. : B 62 J—11/02

A TWO OR THREE WHEELED AUTOMOBILE HAVING AN INTERNAL COMBUSTION ENGINE WITH INTEGRALLY FORMED PUMP

Applicant :

AJINKYA NAIK.

A2/23, RAMBAG COLONY.

NAVI PETH, PUNE-411 030.

MAHARASHTRA, INDIA

Inventor :

AJINKYA NAIK

Application No. : 266/Bom/95 Filed on 16-5-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

1 Claim

Two or three wheeled automobile having an internal combustion engine with integrally formed pump comprising an internal combustion engine of the said automobile wherein the internal combustion engine is provided with a flywheel characterised in that the said flywheel is in the form of an impeller provided with cover having a delivery port and a suction port which are respectively connectable to a delivery pipe and a suction pipe when the engine is used as a pump for pumping water

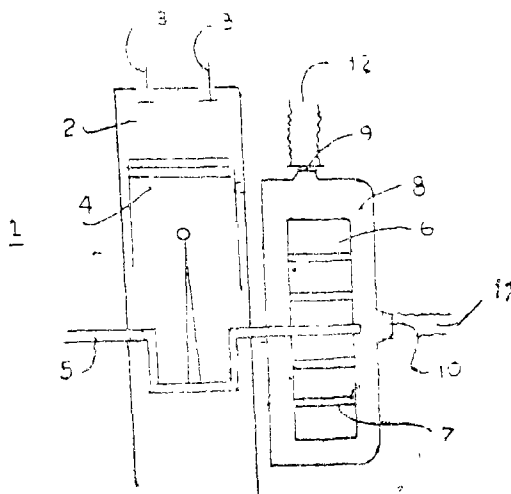


FIG. 1

Comp. Specn. 4 Pages;

Drg. 1 sheet.

Ind. Cl. : 170A + D

184056

Int. Cl. : C11 D 3/386

DETERGENT COMPOSITION.

Applicant :

HINDUSTAN LEVER LIMITED,
165-166, BACKBAY RECLAMATION,
BOMBAY-400 020, MAHARASHTRA, INDIA.

Application No. 352/Bom/1995 filed on Aug. 9, 1995.

Complete after Provisional left Aug. 8, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

11 Claims

1. A detergent Composition comprising :

10% by wt. to 28% by wt. of detergent active;

40% by wt. to 52% by wt. of builder; and

0.1% by wt. to 5.0% by wt.

(= 10,000 units to 500,000 units/g)

of enzyme of lipase active obtained from *Fusarium oxysporum*

Complete Specification : 24 Pages;

Drawings : Nil.

Ind. Cl. : 164 A [11(3)]

184057

Int. Cl. : C 02 F 1/58.

A PROCESS OF TREATING THE EFFLUENT WATER TO MAKE IT SUITABLE FOR FISH/PRAWN CULTIVATION.

Applicant :

PANCHAGNULA SRINIVASA MURTHY,
SRINIVAS CONSULTANTS OF A 201-203
ARJUN CENTRE. B. S. DEVSEHI MARG.
DEONAR, MUMBAI-400 088, INDIA

Inventor : —IDEM—

Application No. : 374/Bom/95 dated 30-8-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

8 Claims

A process of treating water for fish/prawn cultivation comprising :

(i) Collecting effluent water in a tank and adjusting its pH to 8-7,

(ii) separating the floating oil from the said effluent water by drawing out the floating oil through an overflow weir,

(iii) converting non-alkali metal salts in the effluent water into sodium salts by adding sodium sulphate and sodium hydroxide, in the proportion of molecular equivalents of above mentioned metallic salts present,

(iv) separating the non-alkali metal sludge by filtration,

(v) treating the water obtained from step (iv) aerobically to reduce the biological oxygen demand (BOD) to not more than 100ppm so that fish/prawn can survive,

(vi) separating the biomass from the water obtained after the treatment in step (v),

(vii) killing the microbes in a manner as herein described and treating the water with charcoal before collecting the said water in fish or prawn culture tank,

(viii) recycling part of the treated water to step (v) to lower the incoming COD to predetermined limits.

Complete specification : 8 pages;

Drawings : 1 sheet.

Ind. Cl. : 32E Gr. [IX(1)]

184058

Int. Cl. : C 08 F-110/02.

A PROCESS FOR THE PRODUCTION OF POLY-ETHYLENE.

Applicants :

INDIAN PETROCHEMICALS CORPORATION
LIMITED A GOVERNMENT COMPANY
INCORPORATED UNDER THE COMPANIES ACT,
1956 OF P. O. PETROCHEMICALS,
DISTRICT VADODARA-391 346,
GUJARAT, INDIA.

Inventors :

1. VIRENDRA KUMAR GUPTA
2. MARAYIL RAVINDRANATHAN

Patent Application No. : 393/Bom/95 filed on 07-09-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

09 Claims

1. A process for the production of polyethylene from ethylene monomer in the presence of a catalyst mixture comprising :

metallocene/organoaluminium/tin compound or compounds,

said catalyst having the formula :

$\text{Cp}_2\text{MX}_2\text{-R}_3\text{Al-L}$ wherein

L is a tin compound

$\text{Cp} = \text{C}_5\text{H}_5, \text{RC}_5\text{H}_4, \text{X}(\text{C}_5\text{H}_4)_2$.

$\text{X} = \text{Et}, \text{Me}_2\text{Si-}$

$\text{M} = \text{Ti}, \text{Zr}, \text{Hf}$

$\text{X} = \text{Cl}, \text{Me}$

$\text{R} = \text{Me}, \text{Et}, \text{Pr}, \text{Bu}, \text{iBu}$

and wherein the said process comprises :

- mixing an organoaluminium compound (R_3Al) with a tin compound at a tin to aluminium molar ratio of .2 to 2 in the presence of a solvent such as herein described so as to obtain a modified aluminium species;
- mixing said modified aluminium species with a cyclopentadienyl derivative (Cp_2MX_2) of group 4 transition metals at an aluminium to transition metal molar ratio of 20 to 600 so as to obtain said catalyst mixture ($\text{Cp}_2\text{MX}_2\text{-R}_3\text{Al-L}$); and
- polymerizing ethylene in the presence of said catalyst mixture so as to obtain polyethylene.

Comp. Specn. : 13 Pages;

Drgs : Nil

Ind. Cl. : 128 H [XIX (2)]

184059

Int. Cl. : A 61 M-31/00

AN APPARATUS FOR ENDOMETRIAL HYDRO THERMAL ABLATION.

Applicants :

DR. DEBDATTA GHOSH, 'CHARUSHILA',
121, NATIONAL SOCIETY, BANER ROAD,
PUNE-411 007, MAHARASHTRA, INDIA.

Inventor : —IDEM—

Application No. : 428/Bom/95 Filed on 4-10-95

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

An apparatus for endometrial hydro thermal ablation comprising :

a catheter having a proximal end and a distal end;
a syringe connected at proximal end of said catheter by a three way stop cock;

the said catheter distal end provided with markings and a balloon made of latex rubber or natural rubber or any other suitable inflatable yet impervious flexible material attached at the said distal end.

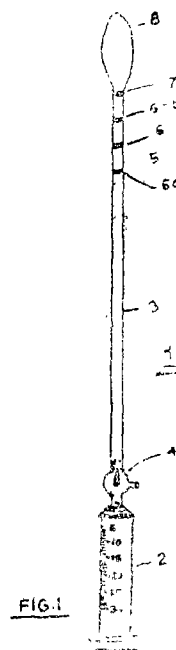


FIG. 1

Comp. Specn. : 7 Pages;

Drgs. : 1 Sheet.

Ind. Cl. : 65 B1

184060

Int. Cl. : H 01 F-27/08, 27/10
F 28 F-3/14

PRESSED STEEL RADIATOR FOR TRANSFORMER.

Applicants :

MALVICA ENGINEERING LIMITED, 1ST FLOOR,
KALAPI AVENUE, OPP. VACCINE INSTITUTE,
OLD PADRA ROAD, VADODARA-390 015,
GUJARAT, INDIA.

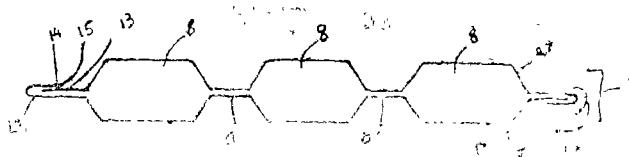
Inventor : RONY GREGORY FERNANDES.

Application No. : 430/Bom/1995 Filed October 5, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400 013.

06 Claims

A pressed steel radiator for transformer comprising several fins and fins are joined with top header pipe and bottom header pipe characterized in that said fins consist of two rolled sections, one of the section bent and other rolled section bent or straight inserted into the gap of said first section thereafter pressed and welded.



Comp. Specn. : 12 Pages,

Drgs. : 10 Sheets.

Ind. Cl. : 128C, B, G

184061

Int. Cl.⁴ : A 61 C 3/00

AN ORTHODONTIC APPLIANCE.

Applicant : ORTHO-TAIN, INC., P.O. BOX 4296, BAYAMON GARDEN'S STATION, BAYAMON, PUERTO RICO 00620, CORPORATION OF PUERTO RICO.

Inventor : EARL O. BERGERSON.

Application No. 171/Mas/94 filed on 10th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

20 Claims

An orthodontic appliance which is preformed to be generally U-shaped in plan view and which has a preformed tooth receiving trough formed between lingual and labial/buccal side flanges in at least an upper side thereof, which trough has prefabricated tooth receiving depressions of predetermined dimensions for receiving and positioning teeth from central and lateral incisors to and having at least a molar, said appliance, trough and depressions being preformed of said predetermined dimensions without reference to a particular patient's dentition, said lingual glange having laterally spaced apart, vertically oriented lingually extending recesses of 0.1 to 1 mm in depth which extend slightly laterally at a mesial area and a distal edge of the central incisors and at a distal edge and a mesial edge of the lateral incisors so as to be positioned adjacent to the lateral edges of a lingual side of all four incisors, said recesses being defined by adjacent portions of said lingual flange which are not recessed and which are adapted to engage the lateral edges of the lingual side of all four incisors.

(Compl. Specn. 30 pages;

Drngs. : 2 sheets)

Ind. Cl. : 189, 128 G

184062

Int. Cl.⁴ : A 61 K 7/00

A PROCESS FOR THE PREPARATION OF A TWO COMPONENT PASTE/LIQUID SYSTEM FOR DENTAL APPLICATIONS.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, SATELMOOND PALACE, POOJAPURA, TRIVANDRUM-695 012, KERALA, INDIA, AN INDIAN ORGANISATION.

Inventors :

1. SATYENDRA NATH PAL
2. KOCHURAGHAVAN USHA
3. VENKATESWARAN KALLIYANAKRISHNAN
4. SUKUMARAN MANU.

Application No. 197/Mas/94 filed on 21st March, 1994.

Complete Specification Left : 15th March, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

21 Claims

A process for the preparation of a two component paste/liquid system for dental applications which comprises in preparing :

- (i) a liquid component comprising a resin mixture in which an inhibitor such as hydroquinone, its derivatives and hindered phenols and accelerator such as an aromatic tertiary amine is dissolved in an oligomer/thinner system such as herein described;
- (ii) a paste component obtained by dispersing a hydrid filler such as herein described in a resin mixture comprising by way of example BIS-GMA, TEGDMA, BHT and a catalyst such as benzoyl peroxides

(Compl. Specn. 18 pages;

Drwgs. : Nil sheet)

Ind. Cl. : 179 A&F

184063

Int. Cl.⁴ : B 65 D 41/34

TAMPER INDICATING CLOSURE.

Applicant : OWNES-ILLINOIS CLOSURE INC., A CORPORATION OF THE STATE OF DELAWARE, OF ONE SEAGATE, TOLEDO, OHIO 43666, U.S.A.

Inventor : FRANK L. SPROWL (U.S.A.).

Application No. 204/Mas/94 dated March 22, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A tamper indicating closure adapted to be applied to a container having a neck with a threaded finish, and an annular bead on said neck, said closure comprising :

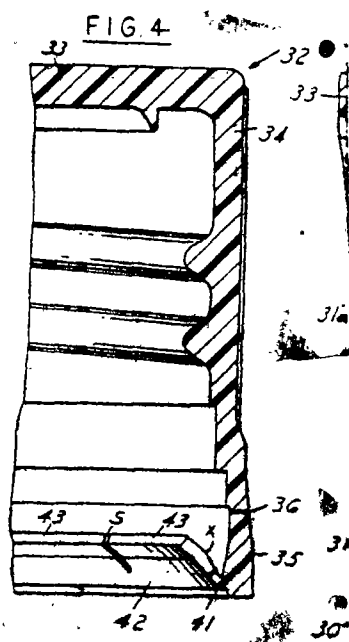
a plastic closure which has a base wall (33) and a depending peripheral skirt (34) having threads (32a) interengaging the threads of said container, and

a tamper indicating band (35) attached to said skirt by one or more weakened portions (36) defining a line of severing, and

an annular flange (40), extending axially upwardly and inwardly from said tamper indicating band (35) toward said base wall (33) of said closure,

said annular flange (40) having a plurality of circumferentially spaced narrow slits (5) extending from the free edge thereof and defining a plurality of adjacent segment portions (43), characterised in that

said narrow slits (5) have a narrow width such that when the closure is fully applied to a container, and the closure is rotated to remove the closure, the free ends of the adjacent segment portions (43) engage a bead on the container and are moved radially inwardly and the sides of the slits (5) adjacent the free ends of substantially all the segment portions move to contact one another in an interfering manner to enhance resistance to removal and inhibit tampering.



(Compl. Specn. : 23 pages;

Drwgs. : 5 sheets)

Ind. Cl. : 55-C

184064

Int. Cl.⁴ : A 61 L 2/00.

A VAPOURIZING ASSEMBLY FOR VAPOURIZATION OF A CHEMICAL IN A HEAT VAPOURIZATION DEVICE.

Applicant : FUMAKILLA LIMITED, OF 11, KANDA MIKURACHO, CHIYODA-KU, TOKYO 101, JAPAN, (A CORPORATION ORGANISED UNDER THE LAWS OF JAPAN).

Inventors :

- (1) TATSUYA MINE, (JAPAN)
- (2) KOJI ISHIDA, (JAPAN)
- (3) SHINOBU YAMAMOTO (JAPAN)

Application No. 232/Mas/94 dated March 28, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

29 Claims

A vapourizing assembly for vapourizing of a chemical in a heating vapourization device, comprising :

container means defining an interior chamber capable of being filled with a liquidous chemical, said container means having an upper end opening;

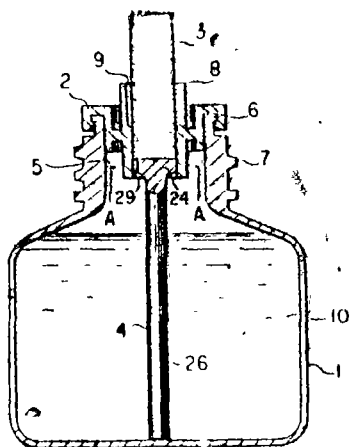
plugging means for engaging with said upper end opening for enclosing said interior chamber of said container means;

liquid sucking and feeding means, having a lower end dipped in the liquidous chemical and an upper end coupled with a heating means;

of said heat vapourization device, said liquid sucking and feeding means having mutually independent lower component and upper components located in alignment, said lower component having the lower portion placed within said liquidous chemical for sucking the same and said upper component having upper end portion co-operated with said heating means, and said upper and lower components being interfaced to each other at the ends remote from said chemical and said heating means;

guiding and supporting means integrated with said plugging means for receiving at least lower portion of said upper component of said sucking and feeding means for supporting the latter in vertical alignment with said lower component; and

communication means for establishing gas communication between said interior chamber of said container means and a portion of said upper component placed within said guiding and supporting means.



(Compl. Specn. 54 pages;

Drwgs. : 25 sheets)

Ind. Cl. : 206 E, 40 F.

184065

Int. Cl.⁴ : C 23 C 16/44, C 30 B 25/14.

AN APPARATUS FOR GROWING EPITAXIAL SEMI-CONDUCTOR STRUCTURES BY CHEMICAL VAPOUR DEPOSITION.

Applicant : GENERAL SEMICONDUCTOR, INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, USA, OF 10 MELVILLE PARK ROAD, MELVILLE, NEW YORK 11747, USA.

Inventors :

1. JOSEPH CHAN
2. DENNIS GARBIS
3. JOHN SAPIO
4. JOHN LATZA

Application No. 241/Mas/94 filed on 30th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

An apparatus for growing epitaxial semiconductor structures by chemical vapor deposition, comprising a chemical vapor deposition reactor (A) having an input port (10) and an output port (12) and a gas flow system (B, C, D) having a main dopant gas supply flow line (14) connected to said input port through a main dopant gas supply valve (34) and a dopant gas vent line (32), connected to said main dopant gas supply line (14) characterized in that :

said main dopant gas supply valve (34) is connected adjacent said input port (10);

said main dopant gas supply vent line (32) is connected to said main dopant gas supply line (14) proximate said main dopant gas supply valve (34); and

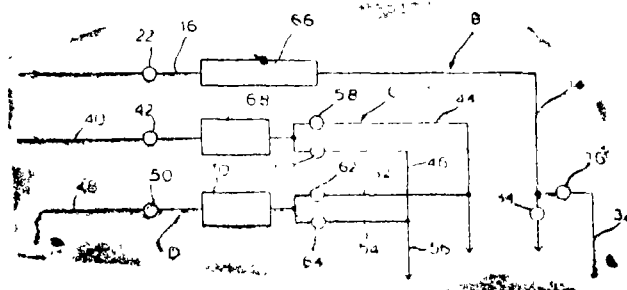
said gas flow system further comprises :

three branch supply lines (16, 18, 20) each having a respective valve therein (22, 24, 26) connected to feed said main dopant gas supply line (14);

an etchant gas supply line (40) connected to said input port (10);

a silicon gas supply line (48) connected to said input port (10); and

a respective vent line (46, 54) connected to said etchant gas supply line (40) and to said silicon gas supply line (48) to provide venting separate from said main dopant gas supply vent line (32).



(Compl. Specn. : 16 pages;

Drngs. : 2 sheets)

Ind. Cl. : 99 H.

184066

Int. Cl.⁴ : B 65 D 41/00.

A TUBE WITH A HEAD OF PLASTICS MATERIAL.

Applicant : CEBAL S.A., OF 98, BOULEVARD VICTOR HUGO 92115 CLICHY, FRANCE; A FRENCH COMPANY.

Inventors :

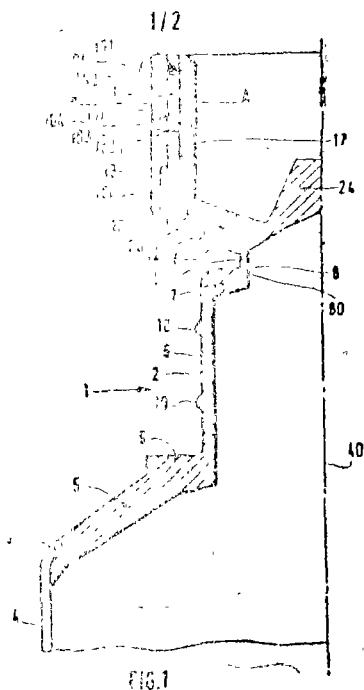
1. BERNARD SCHNEIDER
2. MICHEL REBEYROLLE

Application No. 246/Mas/94 filed on 30th March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A tube with a head of plastics material comprising a head (2) moulded from plastics material and a flexible skirt portion fixed to the said head, said head comprising a neck (6 and 7) with an orifice (8) connected by a tearable sealing-tight annular portion (11) to a continuous bottom (12) of cover (20) shaped like an inverted hat and surmounting the neck, the said cover bottom (12) being connected to an outer skirt (13) of the cover (20) and the cover carrying a sealing-tight means (17, 22) of reclosing the said neck (6 and 7) after the said annular portion (11) has been torn off, characterised in that the neck has an annular inner edge (7) defining its said orifice (8) and in that the said edge (7) and an annular part (14 and 15) of the cover extending from the junction of the bottom (12) with the said tearable annular portion (11) as far as an annular portion (15) of the said outer skirt (1) situated above the connection (16) between the bottom (12) and the skirt (13) each have a thickness between 1.1 and 1.6 mm, their rigidity then favouring the tearing of the said tearable annular portion (11).



(Compl. Specn. : 19 pages;

Drgns. : 2 sheets)

Ind. Cl. : 22.

184067

Int. Cl.⁸ : B 65 D 8/04, 9/06.

A PACKAGING MATERIAL AND A METHOD FOR ITS MANUFACTURE.

Applicant : TETRA LAVAL HOLDINGS & FINANCE SA, AVENUE GENERAL GUIBAN 70, CH-1009 PULLEY, SWITZERLAND, A SWEDISH COMPANY.

Inventor : BENGT BJORCK.

Application No. 287/Mas/94 filed on 12th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

21 Claims

A packaging material comprising flexible material layers (1, 2) that are interconnected with one another in a pattern of linear sealings (3) distributed over the surface area of the material layers and dividing an interjacent chamber (4) defined by the material layers into a pattern of mutually connected, elongated cells (6), characterized in that said pattern of cells (6) defines wall panels (9) for filling with gas under pressure to create self-supporting walls for a consumer package such as liquid or pumpable foods.

(Comp. Specn. : 20 pages;

Drgns. : 3 sheets)

Ind. Cl. : 6 B.

184068

Int. Cl. : B 08 B 17/02, B 01 D 46/00.

A DEVICE FOR MONITORING AND ESTIMATING THE QUANTUM OF SUSPENDED IMPURITIES LIKE DUST IN A GAS FLOW.

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME POST, COIMBATORE 641 014, TAMIL NADU, INDIA, A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, 1860.

Inventors :

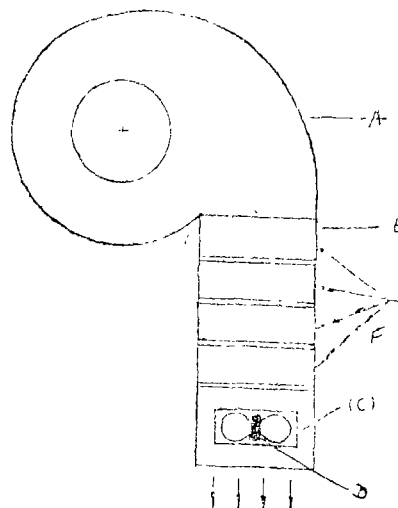
1. T. V. RATNAM
2. A. R. KALYANARAMAN
3. R. PRAKASAM

Application No. 292/Mas/94 filed on 13th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A device for monitoring and estimating the quantum of suspended impurities like dust in a gas flow comprising a collector in gaseous communication with a duct of uniform cross section, the said collector having means for discharging air or gases contained therein to the said duct, at least one filter means being provided within the said duct, the exit side of the said duct having a fixed vane provided with means for measuring and integrating the volume of gas flow there through.



(Compl. Specn. : 10 pages;

Drgns. : 1 sheet)

Ind. Cl. : 170 B.

184069

Int. Cl.⁴ : C 09 K 3/14, C 04 B 35/10.**A PROCESS FOR PREPARING A CERAMIC CORUNDUM ABRASIVE.**

Applicant : HERMES SCHLEIFMITTEL GMBH & CO.,
A GERMAN COMPANY, LURUPER HAUPTSTRASSE
106—122, 22547 HAMBURG, GERMANY.

Inventors :

1. ECKHARD WAGNER
2. DR. GUNTER BECKER
3. GUNTER BARTELS

Application No. 302/Mas/94 filed on 15th April 1994.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A process for preparing a ceramic corundum abrasive comprising the steps of : (a) preparing a sol containing an alumina source material as starting material, (b) converting the sol into gel in a known manner, (c) drying and/or calcining the gel, (d) crushing and optionally classifying the dried or calcined intermediate, (e) sintering the crushed intermediate characterized in that a tin containing material is added to the sol in step (a) or to the gel in step (b) in an amount sufficient to obtain a sintered material containing at least 0.01% by weight of tin, calculated as tin oxide.

(Compl. Specn. : 15 pages;

Drgns. : nil sheet)

Ind. Cl. : 131 B.

184070

Int. Cl.⁴ : F 21 B 7/04.**DRILLING KICK-OFF DEVICE.**

Applicant : SHELL INTERNATIONALE RESEARCH
MAATSCHAPPIJ B.V., OF CARFL VAN BYLANDT-
LAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS;
A COMPANY ORGANISED UNDER THE LAWS OF
THE NETHERLANDS.

Inventor : MICHEL ROBER KONOPCZYNSKI.

Application No. 307/Mas/94 filed on 18th April, 1994.

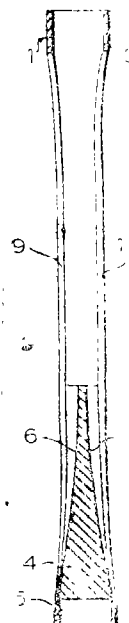
(Convention No. 2,095,306 on 30-4-1993 in Canada).

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

Drilling kick-off device in aid of drilling a pair of opposite deviated borehole branches in an underground formation from a single bore-hole comprising an open-ended tube provided at its upper end with connecting means to join the open-ended tube to a string of casing, and a guide element arranged in the open-ended tube near its lower end, which guide element has two slanted guide ways arranged on opposite sides of the guide element.

FIG 3



(Compl. Specn. : 11 pages;

Drgns. : 4 sheets)

Ind. Cl. : 172 F.

184071

Int. Cl.⁴ : D 01 H 13/26.**A DEVICE FOR MONITORING THE QUALITY OF AN ADVANCING YARN.**

Applicant : BARMAG AG, LEVERKUSER STRASSE
65, 42897 REMSCHEID, GERMANY, A GERMAN COM-
PANY.

Inventor : BERND NEUMANN.

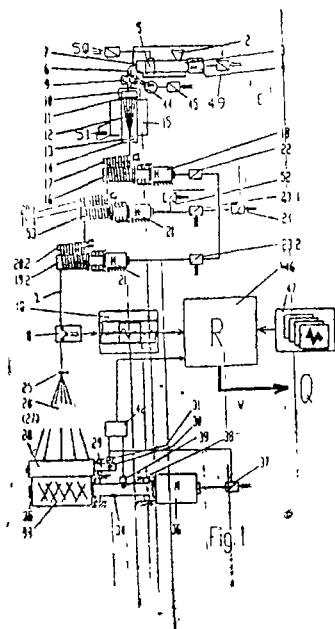
Application No. 334/Mas/94 filed on 26th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A device for monitoring the quality of an advancing yarn (1), comprising measuring means (5) for continuously measuring the yarn tension; means (48) for determining the progression of the yarn tension upon occurrence of at least one defined non-conformity; a memory (47) for storing pre-determined non-conformity records covering all possible progressions of the yarn tension which characteristically appear at a certain non-conformity and a computer (46) comprising a memory for storing the measured non-conformity record, comparing means for comparing the measured non-conformity record with the pre-determined non-conformity record and generating means for generating a signal,

when a range of measured non-conformity record shows a similarity to at least one of the pre-determined non-conformity records.



(Compl. Specn. : 19 pages;

Drgns. : 2 sheets)

Ind. Cl. : 127-I.

184072

Int. Cl.⁴ : F 16 H 23/04.

WOBBLE YOKE MECHANISM FOR CONVERTING RECIPROCATING MOTION TO ROTARY MOTION.

Applicant : WHISPER TECH. LIMITED, CANTERPRIZE, 39, CREYKE ROAD, CHRISTCHURCH, NEW ZEALAND, A NEW ZEALAND COMPANY.

Inventors :

1. DONALD MURRAY CLUCAS (NEW ZEALAND)
2. JOHN KENNETH RAINE (NEW ZEALAND)

Application No. 376/Mas/94 dated May 5, 1994.

Convention date : May 7, 1993; (No. 247571; New Zealand).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A wobble yoke mechanism for converting reciprocating motion to rotary motion, said mechanism providing a plurality of pistons (as hereinbefore defined above) having piston heads operatively connected to the wobble yoke mechanism and a crankshaft:

said wobble yoke mechanism comprising :

a central pivot point through which the torque re-action passes;

a first beam pivoting about said point in one plane to which is attached at least one end to at least one piston via bearings with one degree of freedom;

at least a first yoke connected to at least one end of said first beam;

a second beam pivoting about said point in one plane to which is attached at each end at least one piston via bearings with one degree of freedom;

a second yoke at 90° out of phase to the first yoke, said second yoke being rigidly connected to at least one of said second beam;

an eccentric bearing fitted to or about the crank-shaft and connected to one end of each of the first and second yokes; wherein;

no bearing has more than one degree of freedom;

the axes of all bearings pass through the said central pivot point; and

there is a degree of rotary freedom between the two yokes about the axis of the eccentric bearing.

(Compl. Specn. : 13 pages;

Drgns. : 5 sheets)

Ind. Cl. : 172 D4.

184073

Int. Cl.⁴ : D 01 H 7/00.

OPEN-END SPINNING ROTOR.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AG, FRIEDRICH-EBERT-STRASSE 84, D 85046 INGOLSTADT, GERMANY, A GERMAN COMPANY.

Inventors :

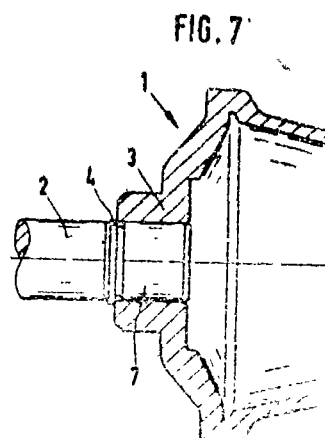
1. ERICH BOCK
2. JOSEF SCHERMER
3. EDMUND SCHULLER
4. KLAUS SCHOBERTH

Application No. 384/Mas/94 filed on 9th May, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

21 Claims

An open-end spinning rotor provided on a rotor shaft comprising a collar (3) for fastening the spinning rotor (1), characterized in that the rotor shaft (2) has a stop (4), on which the collar (3) is supported.



(Compl. Specn. : 15 pages;

Drgns. : 3 sheets)

Ind. Cl. : 126 D, 125 C.

184074

Int. Cl. : G 01 G 9/00.

DEVICE FOR MEASURING THE MASS OR SUBSTANCE CROSS-SECTION OF FIBRE SLIVERS.

Applicant : ZELLWEGER LUWA AG, WILSTRASSE 11, CH-8610 USTER, SWITZERLAND, A SWISS COMPANY.

Inventors :

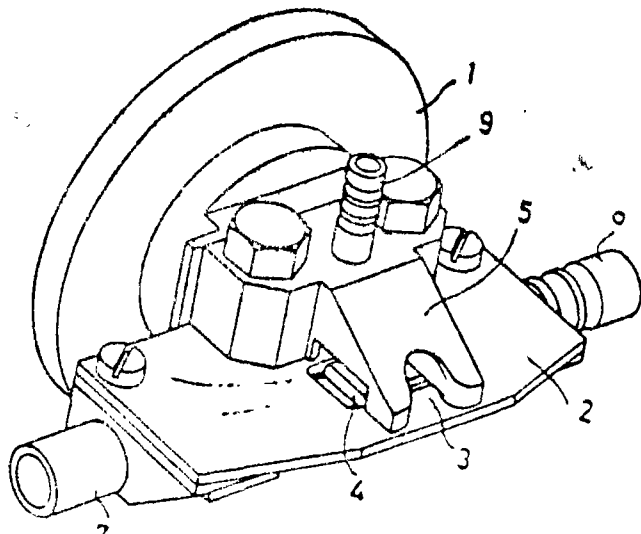
1. TRANCOIS BAECHLER
2. KLAUS STREHLER
3. ISIDOR HARZENMOSER
4. JURG ZEHR

Application No. 398/Mas 94 filed on 12th May, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

7 Claims

Device for measuring the mass or substance cross-section of fibre slivers, comprising an entry part for the fibre sliver to be measured and a measuring part adjoining the entry part, characterized in that the measuring part (2) has two measuring members (4, 8, 9) each one working on a different measurement principles with respect to the other measuring member, and of which one measuring member has a means (8, 9) for measuring the pneumatic pressure generated by the fibre sliver (FB) at a contraction in a measuring channel (3) in the measuring part and the other measuring member having a measuring beam (4) for mechanically-sensing the fibre sliver.



(Compl. Specn. : 14 pages:

Drgns. : 2 sheets)

Ind. Cl. : 32 C

184075

Int. Cl.⁴ : C 07 B 33/00

C 07 C 139/04.

PROCESS FOR THE PREPARATION OF METHANESULPHONIC ACID.

Applicant : ELF ATOCHEM S. A., A FRENCH BODY CORPORATE OF 4 & 8 COURS MICHELET LA DEFENSE 10. 92800 PUTFAUX, FRANCE.

Inventors :

- (1) SYLVIE LACOMBE,
- (2) JEAN OLLIVIER.

Application No. 406/Mas/94 filed on 16th May 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

9 Claims

A process for the preparation of methanesulphonic acid from dimethyl disulphide, which process comprises irradiating an alcoholic solution of dimethyl disulphide, in the presence of oxygen, with light rays of wavelength between 200 and 320 nm and separating the methane sulphonic acid produced thereby by known means.

(Comp. Specn. : 10 pages;

Drgs. Nil)

Ind. Cl. : 139-F

184076

Int. Cl.⁴ : C 01 B 21/04.

A PROCESS FOR THE PURIFICATION OF INERT RECYCLE GAS STREAMS FROM ORGANIC IMPURITIES.

Applicant : SINCO ENGINEERING S.P.A. AN ITALIAN JOINT STOCK COMPANY, OF LOCALITA RIBROCCA S.N. I-15057, TORTONA (ALESSANDRAI), ITALY

Inventors :

- (1) GUIDO GHISOLFI, (ITALY)
- (2) DARIO GLORDANO, (ITALY)
- (3) GIUSEPPINA BOVERI, (ITALY).

Application No. 414/Mas/94 dated May 18, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

10 Claims

A process for the purification of recycle inert-gas streams leaving a solid state polycondensation reactor of polyester resins comprising the steps of adding oxygen or a gas containing oxygen to said gas streams and circulating said gas streams on a catalytic bed containing Pt or mixture of Pt and Pd supported on an inert porous support at a temperature from 250°C to 600°C, the quantity of oxygen being stoichiometric or in excess of the organic impurities, such that the gas at the outlet of the reactor contains upto 10 ppm of oxygen.

Compl. Epecn. 16 pages

Ind. Cl. : 143 D2, D4

184077

Int. Cl.⁴ : B 65 B 1/00.

A PACKING/PACKAGING MACHINE.

Applicant : TATA TEA LIMITED, SOUTH INDIA PLANTATION DIVISION, P.B. NO. 9, MUNNAR-685 612, KERALA, INDIA. AN INDIAN COMPANY.

Inventors :

1. PAUL JOSE
2. RAVI A.

Application No. 441/Mas/94 filed on 26th February 1994

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

7 Claims

A packing/packaging machine, comprising a means for feeding the packing material and forming the same to a tubular shape, a means for sealing the longitudinal (lengthwise) edges of said tubular packing material, a means for drawing the formed packing material, a means for sealing radially (breadthwise) said tubular packing material, and a means for feeding the substance to be packed into said formed packing material characterised in that Said drawing means comprises a pneumatic linear actuator and said longitudinal sealing means comprises a pair of sealing members facing each other and mounted on the sliding member of said actuator, at least one of said sealing members being electrically heated and pneumatically operated to open and close said sealing members, such that the sealing members in the closed position press said longitudinal edges against

each other and impart a positive pulling of the packing material simultaneously with the longitudinal sealing.

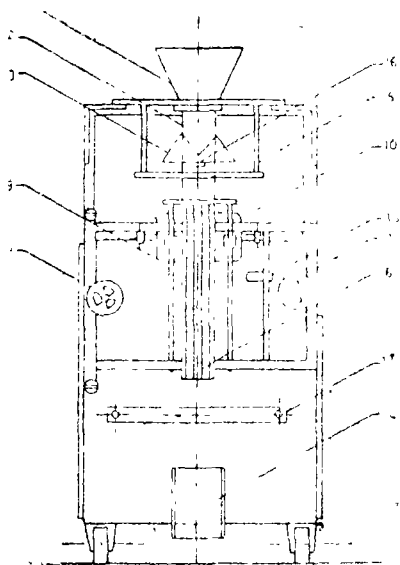


Fig. 1

Compl. Specn. 13 pages;

Drgs. 8 sheets

Ind. Cl.: 74

184078

Int. Cl.⁴: A 47 L 23/26.

A METHOD OF MAKING BRUSH MATS WITH NON-SKID BACKINGS AND BRUSH MATS MADE THEREBY.

Applicant & Inventor: VELIYIL VELAYUDHAM PAVITHRAN, OF LAKSHMI SADANAM, CHERTHALA 688 524, KERALA, SOUTH INDIA, (AN INDIAN NATIONAL).

Application No. 444/Mas/94 dated 27 May, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A method of making brush mats with non-skid base comprising encasing a brush mat with flat base and bristled top surface within two vulcanizable rubber sheets made from rubber composition such as herein described, having a viscosity range of 40 to 70 at 100°C, positioning the said encased brush mat within a mould being provided with sleeve cutting edges around its periphery, pressing the said assembly in a horizontal position, cooling and removing the brush mat with non-skid backing therefrom.

(Com. 10 pages.)

Ind. Cl.: 32 E

184079

Int. Cl.⁴: C 08 F 210/16.

AN IMPROVED PROCESS FOR PRODUCING COPOLYMERS OF ETHYLENE WITH AT LEAST ONE OTHER 1-ALKENE.

Applicant: DSM N. V., A DUTCH COMPANY, HET OVERLOON 1, 6411 TF HEERLEN, THE NETHERLANDS.

Inventor: JAMES R. HALL.

Application No. 463/Mas/94 filed on 1st June 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

An improved process for producing copolymers of ethylene with at least one other 1-alkene containing 3-12 carbon atoms and up to 20 per cent by weight of a aliphatic or alicyclic polyunsaturated monomer containing at least 2 carbon-to-carbon double bonds and 3 to 20 carbon atoms comprising the steps of reacting the monomers in the presence of a catalyst system comprising (1) a compound of vanadium, (2) at least one alkyl aluminium halide containing at least one alkyl group bonded directly to the aluminium (3) an α -halo, ketoaromatic promoter and (4) a chain transfer agent, in the presence of a nitrogen containing lewis base wherein the improvement comprises in that the molar ratio of the alkyl groups to halogen atom in said alkyl aluminium halide is at least 1.5, to produce a copolymer having a reduced specific viscosity (RSV) less than 0.6 and recovering the copolymer by known methods.

Compl. Specn. 26 pages;

Drgs. Nil sheet

Ind. Cl.: 32 E

184080

Int. Cl.⁴: C 08 L 27/00.

ABRASION RESISTANT FLUOROPOLYMER COMPOSITION.

Applicant: HOECHST AKTIENGESellschaft, D-65926 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY, (A CORPORATION ORGANIZED UNDER THE LAWS OF FEDERAL REPUBLIC OF GERMANY).

Inventors:

1. HELMUT SCHECKENBACH
2. ANDREAS SCHLEICHER
3. JURGEN KULPE
4. WOLFGANG NEUMANN
5. BERND JANSEN.

Application No. 471/Mas/94 filed on 2nd June 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

An abrasion-resistant fluoropolymer composition comprising:—

- (A) from 75 to 99% by weight of a fluorocarbon polymer,
- (B) from 1 to 25% by weight of an oxidized polyarylene sulphide and, based on the sum (A) + (B),
- (C) from 0 to 15% by weight of a filler.

Comp. Specn. 17 pages;

Drg. Nil sheet

Ind. Cl.: 107-K

184081

Int. Cl.⁴: F 01 L 7/10.

IMPROVED SPHERICAL ROTARY VALVE ASSEMBLY FOR USE IN A ROTARY VALVE INTERNAL COMBUSTION ENGINE.

Applicant: GEORGE J. COATES, OF CURTE 34 & RIDGEWOOD ROAD, WALI TOWNSHIP, NJ, U.S.A., CITIZEN BY IRELAND.

Inventor: GEORGE J. COATES, (IRELAND)

Application No. 109/Mas/94 dated February 17, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

An improved rotary valve assembly for use in internal combustion engines of the piston and cylinder type, said spherical rotary valve assembly comprising :

a removable two-piece cylinder head securable to the internal combustion engine, said two-piece removable cylinder head comprising an upper and lower cylinder head section, said upper and lower cylinder head sections, when secured to said internal combustion engine, define two cavities radially aligned with the cylinders of said internal combustion engine, said cavities defining a plurality of first drum accommodating cavities for receipt of radially-aligned rotary intake valves, said second radially-aligned cavities defining a plurality of second drum accommodating cavities for receipt of a plurality of radially-aligned rotary exhaust valves, said lower cylinder head section and said plurality of first drum accommodating cavities having an inlet port in communication with said cylinder, said lower cylinder head section and said second drum accommodating capacities having an outlet port in communication with said cylinder ;

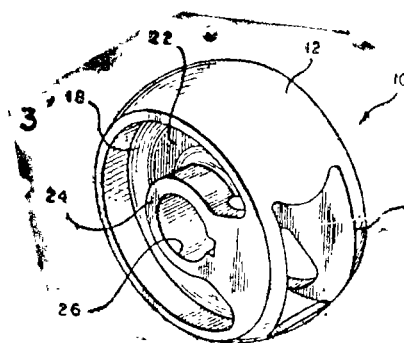
a sealing means associated with said inlet and said outlet ports ;

a first passageway for introduction of a fuel/air mixture into said cylinder head by way of reservoir cavity adjacent both sides of said first drum accommodating cavity and said rotary intake valve and a second passageway for the evacuation of exhaust gases from said cylinder by way of an evacuation cavity adjacent both sides of said second drum accommodating cavity and said rotary exhaust valve ;

a first shaft means journaled on bearing surfaces within said first cavity, radially aligned with said cylinders of said internal combustion engine, said first shaft means having mounted thereon, said rotary intake valve ;

a second shaft means journaled on said bearing surfaces within said second radially-aligned cavity, said second shaft means having positioned thereon a plurality of said rotary exhaust valves ;

said rotary intake valve and said rotary exhaust valve each having a spherical section defined by two parallel planes of a sphere, said planes being disposed symmetrically about the center of said sphere, defining a spherical periphery and planar side walls, said rotary intake valves mounted on said first shaft means in said plurality of drum accommodating cavities in gas tight sealing contact with said inlet port, each of said rotary exhaust valves mounted on said second shaft means in said plurality of drum accommodating cavities in gas tight sealing contact with said outlet port, said rotary intake valve having a passageway on its spherical periphery for the introduction and interruption of fuel-air mixture into said engine, said passageway in communication with doughnut cavities formed in both of said sidewalls of said rotary intake valves, said doughnut cavities in communication with adjacent reservoir cavities formed in said upper and lower cylinder head sections, said adjacent reservoir cavities in communication with said first passageway for the introduction of said fuel/air into said cylinder from both sides of said rotary intake valve, said rotary exhaust valve having a passageway positioned on its spherical periphery for the evacuation and interruption of evacuation of exhaust gases from said cylinder, said rotary exhaust valve having doughnut-shaped cavities formed in said planar sidewalls in communication with said passageway on said spherical periphery, said doughnut cavities in communication with adjacent evacuation cavities formed in said upper and lower cylinder head sections, said adjacent evacuation cavities in communication with said second passageway for the evacuation of exhaust gases from said cylinder.



(Com. 33 pages ;

Drwgs. 8 sheets)

Ind. Cl. : 20 A

184082

Int. Cl.¹ : B 42 D 15/00, D 21 H 5/10.

A SECURITY PAPER AND ALSO TO A METHOD FOR MANUFACTURING THE SAME.

Applicant : DRAGISA ANDRIC, A CITIZEN OF YUGOSLAVIA, OF PETRA MARTINOVICA 26, 11030 BEOGRAD ; AND

BORISLAV STOJANOVIC, A CITIZEN OF AUGUSTA CESARCA 29, 11000 BEOGRAD.

Inventors :

1. DRAGISA ANDRIC
2. BORISLAV STOJANOVIC.

Application No. 110/Mas/94 filed on 17th February 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

26 Claims

A security paper comprising, a resinous substrate sheet having two faces : transparent indicia disposed on one of said faces of said resinous substrate sheet ; and, a first and a second paper sheet, said first paper sheet being permanently laminated on one of said faces of said resinous substrate sheet, and said second paper sheet being permanently laminated on the other of said faces of said resinous substrate sheet, whereby said indicia are substantially undetectable when viewed in reflected light and are apparent through said paper sheets when viewed in reflected light and are apparent through said paper sheets when viewed in transmitted light.

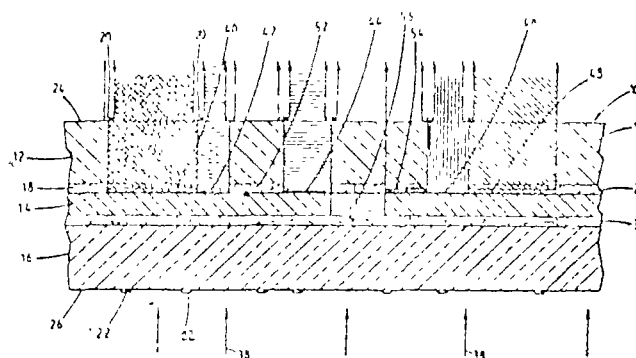


Fig 1

Comp. Specn. 38 pages ;

Drgs. 3 sheets

Ind. Cl.: 98 G

184083

Int. Cl.: F 28 F 1/00

A DISTRIBUTOR WITH ANTICORROSIVE LINING FOR A HEAT EXCHANGER.

Applicant: NUOVOPIGNONE-INDUSTRIE MECCANICHE E FONDERIA S P A, A COMPANY ORGANISED UNDER LAW OF THE ITALIAN REPUBLIC, OF VIA F. MATTEUCCI 2. FLORENCE. ITALY.

Inventors:

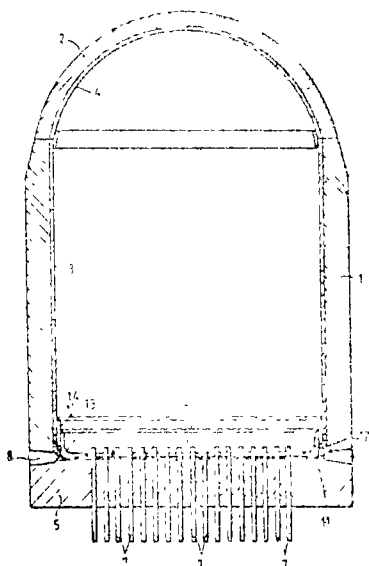
1. LORENZO BARBIERI
2. GIOVANNI MEI.

Application No. 150/Mas/94 filed on 3rd March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

5 Claims

A distributor with anticorrosive lining for a heat exchanger, comprising a tube plate and a distributor cylinder both lined with anticorrosive material applied by explosion plating, said material being removed from the peripheral regions in which said tube plate is joined to said cylinder, characterised in that in said anticorrosive-lining free peripheral region of said tube plate there is provided a projection, radius-joined to said tube plate and formed by a deposit of weld material, for making said welded joint between said tube plate and said cylinder, an anticorrosive material ring substantially of radiused L cross-section perfectly adhere to said joint and to those inner surfaces of the distributor proximate to said joint and radius-joining the anticorrosive lining of said tube plate to the anticorrosive



Comp. Specn. 9 pages:

Drgs. 3 sheets

Ind. Cl.: 190 A

184084

Int. Cl.: F 01 D 9/00.

A RADIAL-FLOW EXHAUST TURBOCHARGER TURBINE.

Applicant: ASEA BROWN BOVERI AG., OF HASELSTRASSE CH 5400 BADEN, SWITZERLAND.

Inventor(s):

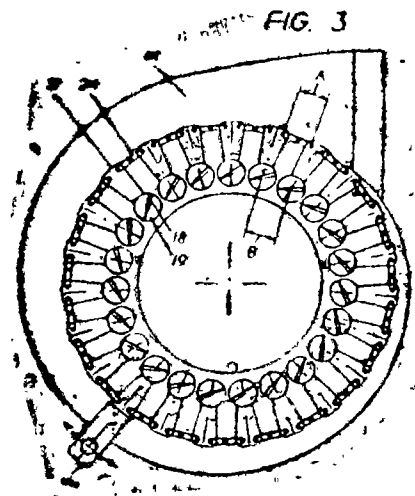
1. JOZEF BAETS.
2. MARCEL ZEHNDER.

Application No. 184/Mas/94 filed on 16-3-94.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A radial-flow exhaust turbocharger turbine with a row of individually adjustable guide vanes (18) upstream of rotor blades (15), which guide vanes being turnable by means of respective adjusting shafts (19) supported in a casing (14) ing a hole (13) which passes through the casing, each adjusting shaft being actuated by means of a pivoting lever (21) characterized in that the chord (S) of each guide vane is smaller than the largest diameter of the associated adjusting shaft and the vane profile of each guide vane lies completely within the radially outer contour of the associated adjusting shaft when viewed in the axial direction.



(Compl. Specn. 11 Pages:

Drgns 3 Sheets)

Ind. Cl.: 158 E 1, 3.

184085

Int. Cl.: B 61 F 5/04.

A RAILWAY CAR TRUCK BOLSTER.

Applicant: AMSTED INDUSTRIES INCORPORATED
205 NORTH MICHIGAN AVENUE, 44TH FLOOR
BOULEVARD TOWERS SOUTH, CHICAGO, IL 60601,
A DELAWARE CORPORATION, U.S.A.

Inventor(s):

1. V. TERREY HAWTHORNE.
2. ANTHONY R. HIATT.
3. FRANKLIN S. McKEOWN.

Application No.: 220/Mas/1994 filed on 24th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A railway car truck bolster which promotes displacement of a friction shoe assembly along a lateral axis of a bolster friction shoe pocket while said assembly is retained within said pocket, said bolster transversely extending between a pair of longitudinally spaced truck assembly sideframes, said bolster comprising:

an extended box like structure having a top wall, a bottom wall, a first side wall, and a second sidewall, each of the said first and second sidewall joining said top and bottom walls, said structure having distal ends at each lateral end of said structure;

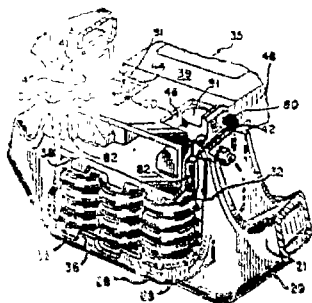
a first pair of spaced gibs on said first sidewall and a second pair of spaced gibs on said second sidewall, said first and second pairs of gibs proximate to each of said distal ends and in a opposed relationship such that said sideframe is held in position between said first and second pair of gibs:

a friction shoe pocket located between each pair of spaced gibs, each of said friction shoe pockets extending inwardly from said top and respective said side wall and defining a lateral distance which a friction shoe assembly can travel;

wherein said spacing between each of said gib pairs defines a second lateral distance, said second lateral distance equal to said lateral distance which said friction shoe assembly can travel when inside said friction shoe pocket wherein said friction shoe assembly has means for promoting lateral sliding of said friction shoe so that travel of said friction shoe assembly within said bolster friction shoe pocket decouples said truck assembly from said railcar at the bolster.

Ref. US Patent : 4167907.

Agents : M/s. De Penning & De Penning.



(Compl. Specn. 21 Pages;

Drwgs 03 Sheets)

Ind. Cl. : 14 B C.

184086

Int. Cl. : H 01 M 4/50.

A METHOD OF PRODUCING A CATHODIC ACTIVE MATERIAL FOR DRY CELLS.

Applicant : MITSUI MINING & SMELTING CO., LTD. A CORPORATION ORGANIZED UNDER THE LAWS OF JAPAN, OF 1-1, NIHONBASHI MUROMACHI 2-CHOME, CHUO-KU, TOKYO, JAPAN.

Inventor(s) :

1. KENZO HANAWA
2. SAKIKO TAENAKA
3. NORIKO HANZAWA.

Application No. : 233/Mas/1994 filed on 29th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A method of producing a cathodic active material for dry cells comprising the steps of mixing graphite particles with electrolytic manganese dioxide particles in a weight ratio of graphite to electrolytic manganese dioxide ranging from 1:100 to 15:100 and the required amount of water to form a slurry having a concentration in the range of from 10 to 80% and then pulverizing the resultant mixture in a pulverizer selected from medium type pulverizers and earthenware mortar type pulverizers.

FIG. 1.

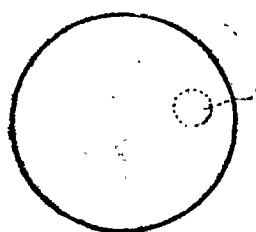


FIG. 2



(Compl. Specn. 33 Pages:

Drws. 2 Sheets)

Ind. Cl. : 172 D4

184087

Int. Cl. : D 01 H 1/16.

FRAME CONSTRUCTION OF SPINNING MACHINE

Applicant : KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO; A JAPANESE COMPANY, 1, TOYODA-CHO, 2-CHOME, KARIYA-SHI, AICHI-KEN, JAPAN.

Inventor : KIWAMU NIIMI.

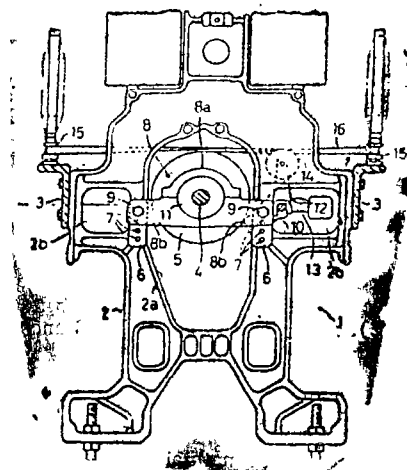
Application No. 239/Mas/1994 filed on 30th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A frame construction of a spinning machine comprising a tin-pulley type spindle driving unit, wherein a bearing housing for supporting a bearing for a tin pulley shaft is fixed to a spring piece comprising the frame construction of said spinning machine, said bearing housing being fixed at right and left mounting portions which are formed on said spring piece with an opening for allowing said tin pulley shaft and the like to pass therethrough being sandwiched between the right and left mounting portions.

Agents : M/s. De Penning & De Penning.



(Compl. Specn. 10 Pages;

Drws. 2 Sheets)

Ind. Cl. : 40 F, 206 E.

184088

Int. Cl.⁷ : H 01 L 21/00.**METHOD OF FABRICATING EPITAXIAL SEMICONDUCTOR DEVICES ON SILICON SUBSTRATE.**

Applicant : GENERAL SEMICONDUCTOR, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, USA, 10 MELVILLE PARK ROAD, MELVILLE, NEW YORK-11747, USA.

Inventor(s) :

1. GREGORY ZAKALUK.
2. DENNIS GARBIS.
3. JOSEPH Y. CHAN.
4. JOHN LATZA.
5. LAWRENCE LATERZA.

Application No. : 242/Mas/1994 filed on 30th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

26 Claims

The method of fabricating epitaxial semiconductor devices on a silicon substrate comprising the steps of :

- (a) subjecting the surface of said substrate on which epitaxial growth is to occur to a grinding process which removes material from said surface to a depth of at least 65 microns;
- (b) cleaning said surface without polishing it;
- (c) gas etching away said unpolished surface to a depth of 6–10 microns; and
- (d) subjecting said surface to a chemical vapor deposition process, thereby to grow epitaxially a doped layer on said surface.

(Compl. Specn. 15 Pages;

Drg. Nil Sheet)

Ind. Cl. : 27 E.

184089

Int. Cl.⁷ : D 04 H 1/46, E 04 F 15/16.**WOVEN FLOOR COVERING**

Applicant : DEKOWE SCHURHOLZ TEPPICHFABRIK GMBH, MARIENSTRASSE 51-53, D-46284 DORSTEN, GERMANY, A GERMAN COMPANY.

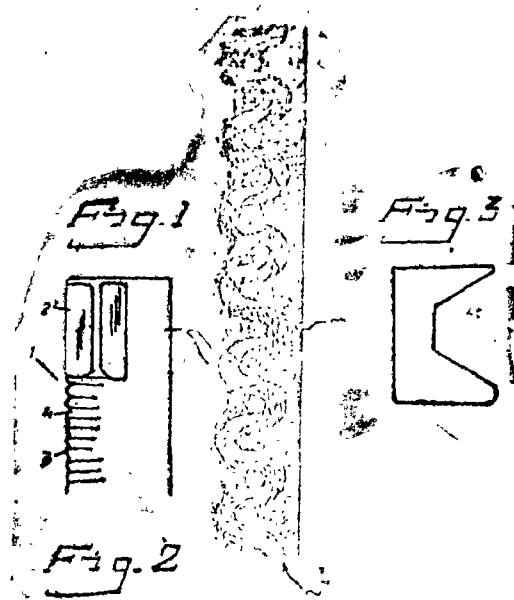
Inventor : HEINRICH SCHURHOLZ.

Application No. : 250/Mas/1994 filed on 31st March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A woven floor covering of natural fibers, particularly vegetable fibers, having a coated back, characterized in that a felt layer (3) of natural fibers, preferably vegetable fibers, is needed to the back (2) of said woven floor covering.



(Compl. Specn. 6 Pages;

Drg. 1 Sheet)

Ind. Cl. : 150 G.

184090

Int. Cl.⁷ : F 16 L 19/00.**PIPE COUPLING.**

Applicant : DANIEL GRAHAM BALL, 87 WOODLAND ROAD, DARLINGTON, COUNTY DURHAM DL3 7UA ENGLAND, A BRITISH SUBJECT.

Inventor : DANIEL GRAHAM BALL.

Application No. : 251/Mas/1994 filed on 31st March, 1994

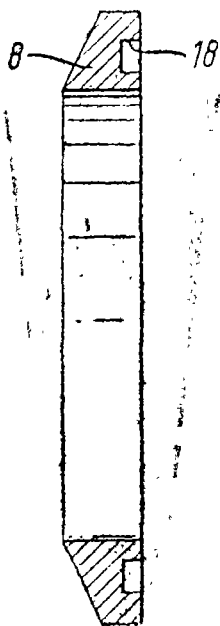
Convention Date 3-4-93, No. 9307083.7, UK.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A pipe coupling for coupling together first and second lengths of pipe (4, 6), the coupling comprising a first collar (8) secured to an end of the first length of pipe (4) and having a joining surface (12) thereto, a second collar (10) secured to an end of the second length of pipe (6) and having a joining surface (14) thereto, the first and second collars (8, 10) being positioned such that, when adjacent ends of the first and second pipe lengths (4, 6) are brought into contact with one another, the joining surfaces (12, 14) of the first and second collars (8, 10) also contact one another, and means (16) for securing together the first and second collars (8, 10) characterised in that the joining surfaces (12, 14) of the first and second collars (8, 10) each have formed therein radially-aligned receiving portions (18, 20) which when the collars (8, 10) are brought into contact with one another, define seal receiving means, and a seal (22) comprising a substantially rigid first seal component (24) and a resilient second seal component (26), the seal (22) being positioned within the seal receiving means to

extend partially into both receiving portions (18, 20) thereof and to seal between the joining surfaces (12, 14) of the first and second collars (8, 10).



(Compl. Specn. 11 Pages;

Drgs 2 Sheets)

Claim Under Section 20(1) of the Patents Act, 1970

In pursuance of leave granted Under Section 20(1) of the Patents Act, 1970 in respect of Application for Patent No. 182858 (931/Cal/97) made by Fabritex S.R.L. and Confi Florentia S.R.L. has been allowed to proceed in the joint name of Fabritex S.R.L. and Sangiacomo S.P.A.

OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. Lakshmi Machine Works Ltd., Tamil Nadu to the grant of a patent on application No. 183316 (358/Cal/95) dated, 31st March, 1995 made by M/s. Trutzschler GmbH & Co. Kg. Germany.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Sree Chitra Tirunal Institute for Medical Sciences & Technology, Sateimond palace, Poojapura, Trivandrum 695 012, Kerala, India, an Indian Organisation have made an application under section 57 of the Patents Act, 1970, for amendment of application of their application for Patent No. 181364 (279/Mas/93) dated 26th April 1993 for "A process for the preparation of a visible light cured composite for dental restorative purposes". The amendment are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, C-4A,

Third Floor, Rajaji Bhavan, Besant Nagar, Chennai 600 090, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form 30 within 3 months from the date of Notification at the Patent Office Branch, Chennai-90. If the written statement of Opposition is not filed with the Notice of opposition it shall be left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 175422 | 173591 | 69442 | 182813 | 182814 | 169919 | 182894 | 174425 |
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| 176943 | 177734 | 178072 | 179328 | 179510 | 180156 | 181471 | 182942 |
| 182967 | 180981 | 182974 | 182969 | 182968 | 182961 | 165498 | 182966 |
| 182948 | 178075 | 178579 | 177150 | 177925 | 177977 | 177978 | 178537 |
| 178738 | 179050 | 180153 | 175400 | 182893 | 170245 | 175242 | 175263 |
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| 173189 | 175755 | 176944 | 178401 | 181391 | 181903 | 169824 | 170471 |
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| 175990 | 178979 | 177615 | 169387 | 176573 | 180881 | 179552 | 171065 |
| 169983 | 171943 | 176561 | 175541 | 168918 | 169597 | 175988 | 177360 |
| 181898 | 169512 | 174757 | 183173 | 171302 | 171303 | 172161 | 173897 |
| 170972 | 175212 | 170978 | 168961 | 176483 | 164857 | 177586 | 181347 |
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| 182859 | 181701 | 181665 | 182420 | 182933 | 183145 | 183174 | 183177 |
| 183178 | 179132 | 181385 | 181463 | | | | |

CESSEATION OF PATENTS

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| 175244 | 175316 | 175323 | 175355 | 175361 | 175382 | 175393 | 175395 |
| 175406 | 175425 | 175437 | 175455 | 175465 | 175468 | 175469 | 175500 |
| 175512 | 175546 | 175557 | 175586 | 175630 | 175633 | 175645 | 175659 |
| 175667 | 175678 | 175754 | 175812 | 175816 | 181833 | 181120 | 181375 |
| 177663 | 176056 | 179848 | 174163 | 174099 | 171582 | 182070 | 181965 |
| 181615 | | | | | | | |

PATENT SEALED ON 05-05-2000

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| 176317 | 181520 | 181922 | 182833 | 183261 | 183262 | 183263* |
| 183264 | 183265 | 183266* | 183267 | 183268 | 183270 | 183271* |
| 183272 | 183273 | 183274 | 183275 | 183276 | 183277* | 183278 |
| 183279* | 183280 | D | | | | |

CAL-22, DEL-01, MUM-NIL, CHEN-NIL

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

- Class 1.** Nos. 180583 to 180586, Dean, Industrial Research & Development (IRD) Unit, Indian Institute of Technology Delhi (IITD), Hauz Khas, New Delhi-110016, India, an Indian national, "A UNIVERSAL ELECTRODE HOLDER FOR METAL ARC WELDING", 14th October 1999.
- Class 3.** Nos. 180642 to 180646, Eveready Battery Company, Inc., a corporation organised and existing under the laws of the State of Delaware, U.S.A. of Checkerboard Square, St. Louis, Missouri, 63164, United States of America. "Flash Light", 22nd October 1999.
- Class 1.** Nos. 180687 & 180688, Ravissant Pvt. Ltd., of 50-51, Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "FRUIT DISH", 29th October 1999.
- Class 1.** No. 180692, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "PEN HOLDER", 29th October 1999.
- Class 1.** No. 180693, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company "PHOTO FRAME", 29th October 1999.
- Class 1.** No. 180696, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "FORK", 29th October 1999.
- Class 1.** No. 180697, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "BOX", 29th October 1999.
- Class 1.** No. 180698, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "POOJA THALI", 29th October 1999.
- Class 1.** No. 180699, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "BABY RATTLE", 29th October 1999.
- Class 1.** No. 180700, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "PAPER KNIFE", 29th October 1999.
- Class 1.** No. 180701, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian company, "BELL", 29th October 1999.
- Class 1.** No. 180702, Ravissant Pvt. Ltd., of 50-51 Commercial Complex, New Friends Colony, New Delhi-110055, India, an Indian Company, "CANDLE STAND", 29th October 1999.
- Class 1.** No. 181099, Pravinbhai Jagjivandas Mehta residing at Room No. 4, Pratap House, Bull's Roy Colony, Vakola Bridge, Santacruz (East), Mumbai-400055, Maharashtra, India, an Indian National, "FILLER VALVE ADAPTOR", 17th December 1999.
- Class 3.** No. 180430, Precious Products (India) Limited, a company incorporated under the Indian Companies Act at 5 Mint Road, Fort, Mumbai-400001, Maharashtra, India, "LEPSTIC CONTAINER", 27th September 1999.
- Class 3.** No. 180439, Hindustan Lever Limited, incorporated under the Indian Companies Act, 1913, regd. office of which is at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400020, Maharashtra, India, "DEODORANT BLOCK", 27th September 1999.
- Class 3.** No. 180464, Cona Industries, 20/21, Neeraj Industrial Estate, Off Mahakali Caves Road, Andheri East, Mumbai-400093, Maharashtra, India, an Indian sole proprietary firm, "ELECTRIC DOUBLE POLE SWITCH", 29th September 1999.
- Class 3.** No. 180905, Malpani Agro Products, a regd. partnership firm at Malpani House, Sangamner-422605, Ahmednagar, Maharashtra, India, "CONTAINER", 30th November 1999.
- Class 10.** No. 180459, M/s. Dhupar Shoe Aid (P) Ltd., an Indian Company at 7/82, Tilak Nagar, Kanpur, U.P., India, an separate entity body which is registered under the provision of Companies Act, 1956 whose director is Sri Rakesh Dhuper, Indian of above address, "SOLE OF FOOT-WEAR", 29th September 1999.

K. K. MODAK
Asstt. Controller of
Patents & Designs

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मूद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 2000

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